

# **KRAFTWERK®**

## **Internet Radio**

**Item-No. 99040**

### **User Manual**

2008/10/08 Ver 1.8

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**Notice**

Recording/Ripping any audio content made with this system is only for your personal use. It should not be sold, distributed, and played for a public audience without copyright holder's permission.

# Chapter 1 Overview

## **1.1 Introduction**

Internet Radio is a radio system integrated digital audio playback that functions with network connectivity. The system can play MP3/WMA audio files, iPod, USB devices, SD/MMC card, FM radio, and internet radio services such as World Station and SHOUTCast which provide above 20,000 internet radio stations. Internet Radio also supports audio streaming via UPnP Media Server.

## **1.2 Audio Sources**

- Support MP3/ Windows Media® audio files (known as WMA)(Included ID3V1 ,2)
- Support static lyrics and synced lyrics (.txt /.lrc /.smi)
- Support USB Flash drive, USB HD drive, SD/MMC card
- Support iPod Dock function
- SHOUTCast Internet Radio (<http://www.shoutcast.com>)
- Local FM (On-Line Radio)
- FM (87.5~109.5MHz)
- Support AUX

## **1.3 Storage**

- Support standard USB Mass Storage device (FAT16/32).
- Support SD/MMC card up to 2G. SDHC is not supported.

## **1.4 Recording**

- Be able to record audio data from internet radio stations (World Station / SHOUTCast) and transfer audio data into 128K MP3 format.
- Be able to record audio data from FM and transfer audio data into 128K MP3 format.

## **1.5 Networking**

- Support Ethernet 10/100 Mbps
- Support Wireless LAN IEEE 802.11 b/g n (optional)
- Support Infrastructure / Ad-hoc
- Support WEP64/128 and WPA-PSK encryption
- Support Proxy Setting
- The system provides a wireless setting wizard to make wireless network setup easier.

## **1.6 Others**

- Support two alarm clock settings
- Support time sync technology (\* network available)
- Support firmware upgrade

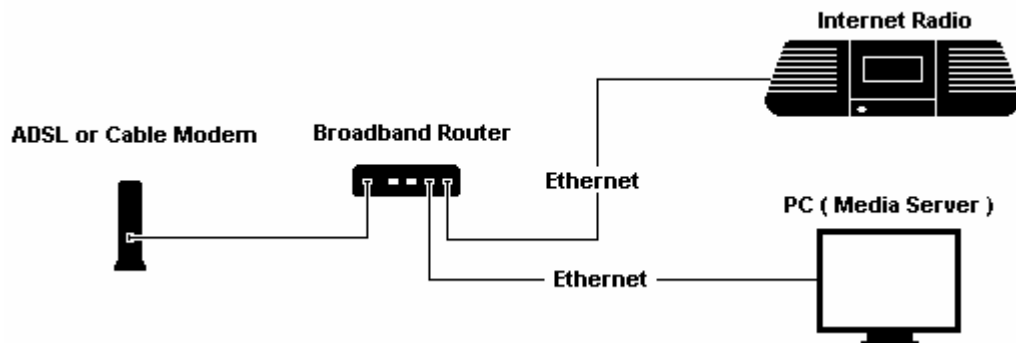
# Chapter 2 Installation

## **2.1 Installation**

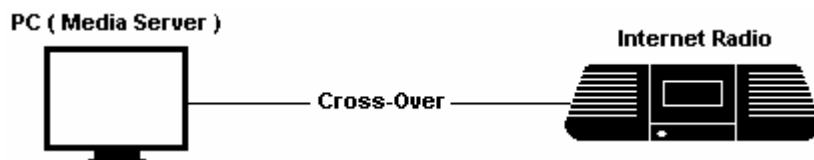
**NOTE:** The proper voltage for Internet Radio is AC 110V~240V/50-60Hz. Be sure to the voltage in your area before plugging in the unit.

### **2.1.1 Installing onto network (LAN)**

- Make sure the internet environment is ready and the network setting is available (ADSL or Cable Modems is highly recommended).
- 
- The default setting of network in your Internet Radio is DHCP. (more network setting please check 11.6 Network)



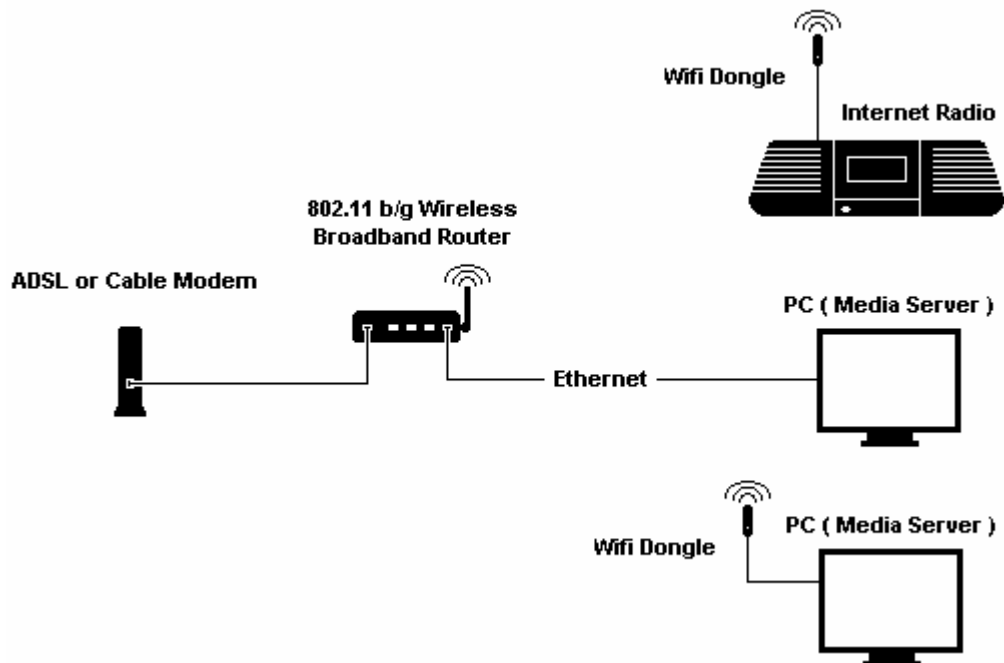
- Connect the device to an Internet connected router according to the picture. Use a standard network cable.



- Connect the device to a PC according to the picture if it is only going to be used for listening to music that is stored in the computer. Use a crossed network cable.
- When the device is connected like this you can only listen to music which is stored in the computer. The computer must have special software installed. See section Media Server.

### **2.1.2 Installation of a wireless network (WLAN)**

- Make sure the internet environment is ready and the network setting is available.
- Plug-in Wifi Dongle into Internet Radio (More setting please see 11.6 [Network](#))



- Connect the wireless network dongle to the socket.



- You can connect the device wireless to a computer with a wireless network card.
- When the device is connected like this you can only listen to music which is stored in the computer. The computer must have special software installed. See section Media Server.

## **2.2 Starting The Equipment for The First Time**

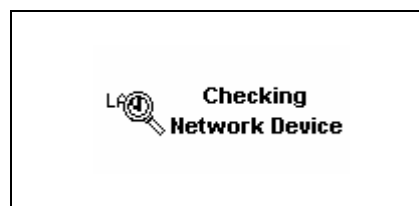
When you turn on the equipment for the first time the stereo will try to automatically search for an IP address. If the network is connected to the Internet, the equipment will also synchronize the time with the time server and then goes to standby mode. Usually it will take 6-30 seconds to finish the whole process.



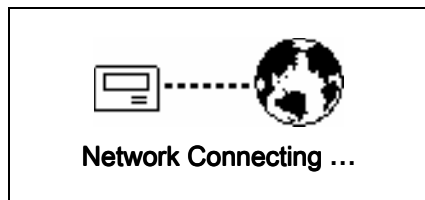
Table 2.2.1 Turn on Internet Radio By Using LAN



When power-on , Penbex Logo shows up



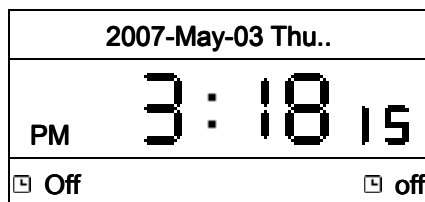
Checking available network devices



Network Connecting



Time Sync processing

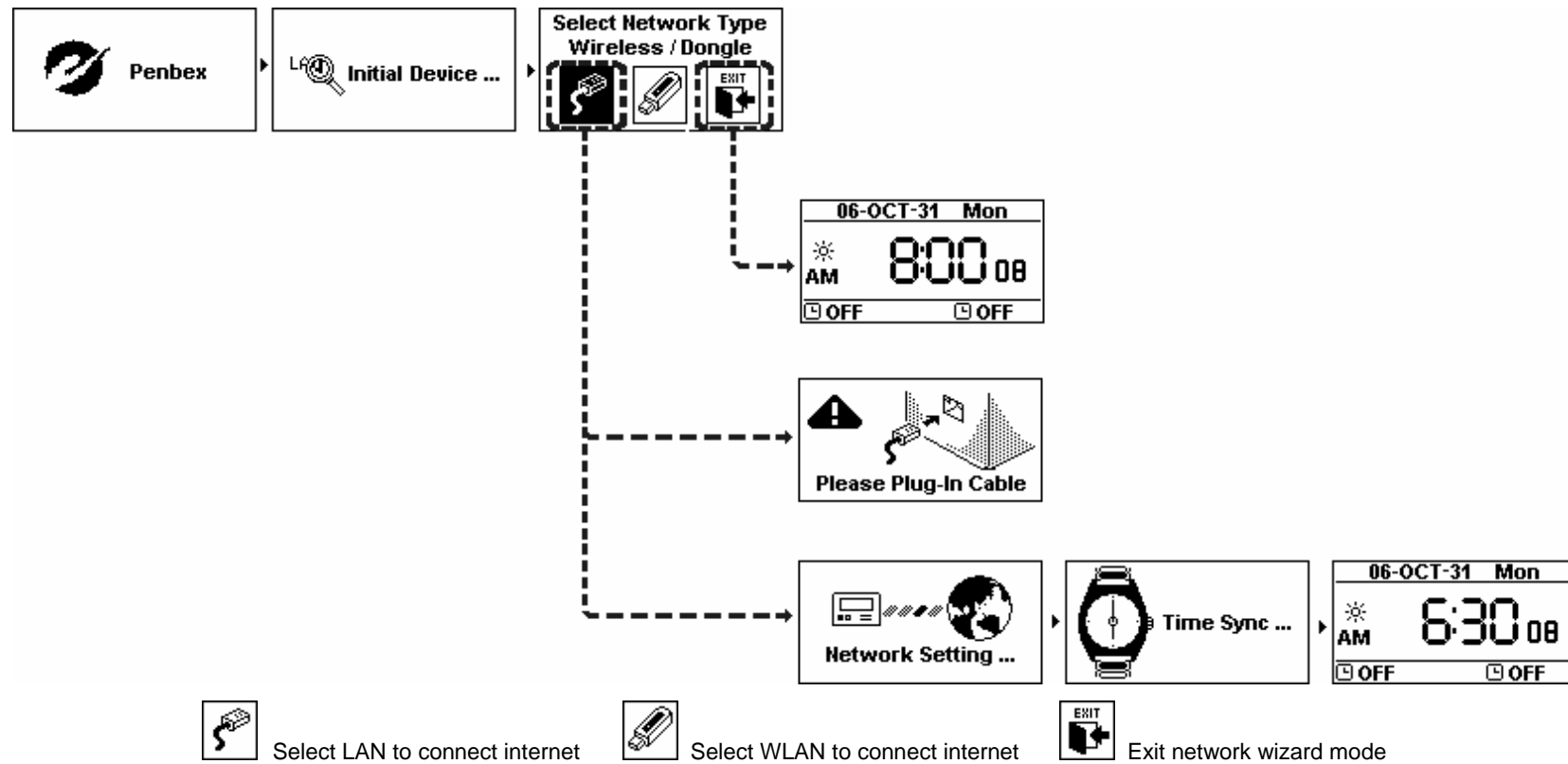


Stand-By Mode

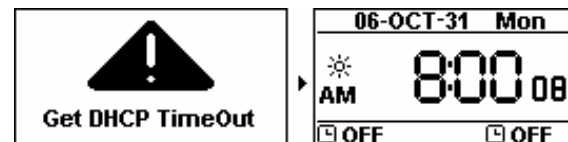
The default of network setting for SMBB is LAN (or after you have chosen “Reset all setting”). You can choose WLAN for your SMBB’s network device by insert WiFi dongle into USB slot.

If you still have problems with network setting, please follow the instructions of network wizard on next page.

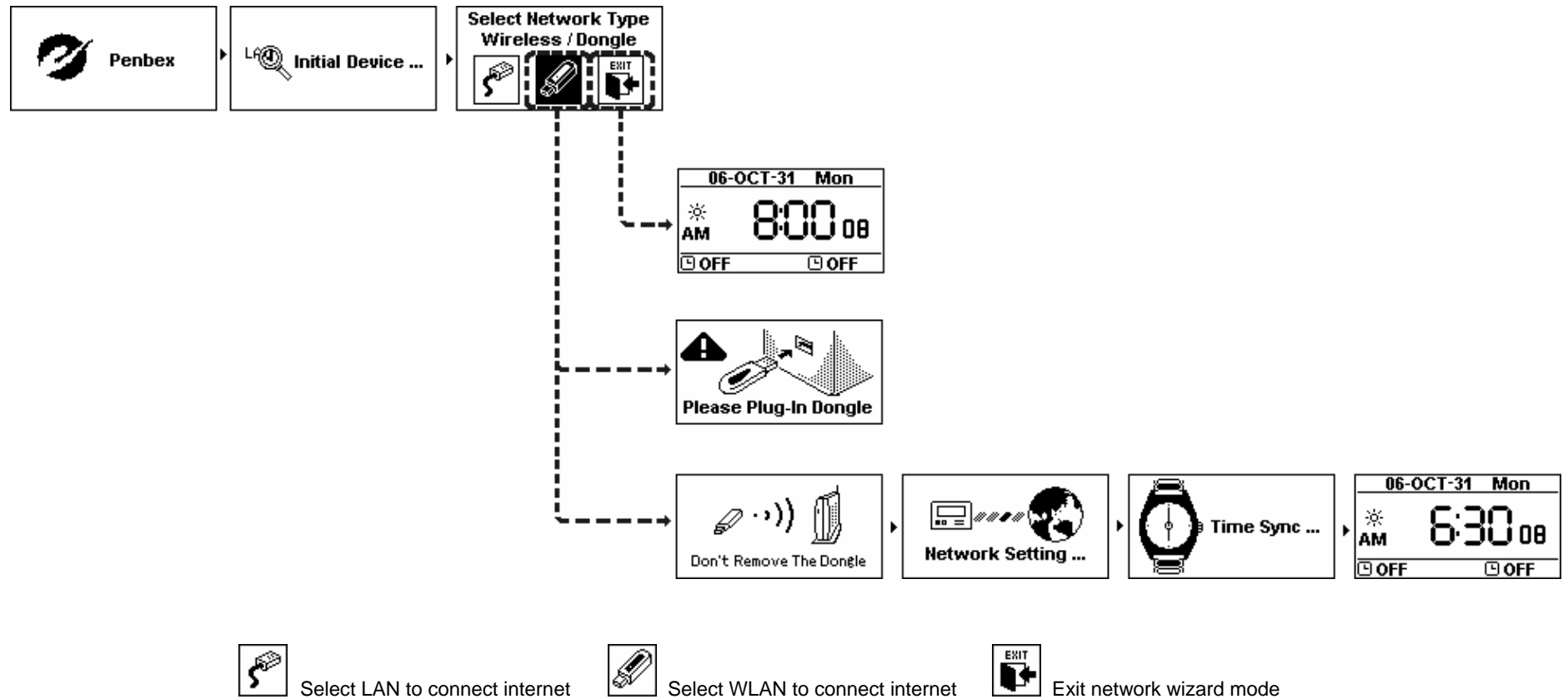
## ·NETWORK SETTING – LAN



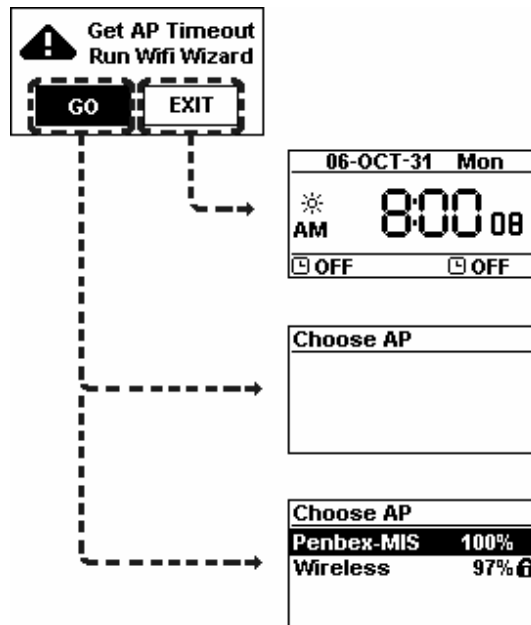
## ·CAN NOT GET DHCP



## ·NETWORK SETTING – WLAN (with Wifi dongle)

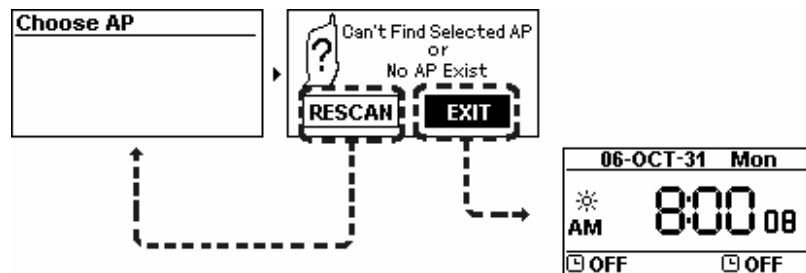


## CAN NOT FIND ACCESS POINT



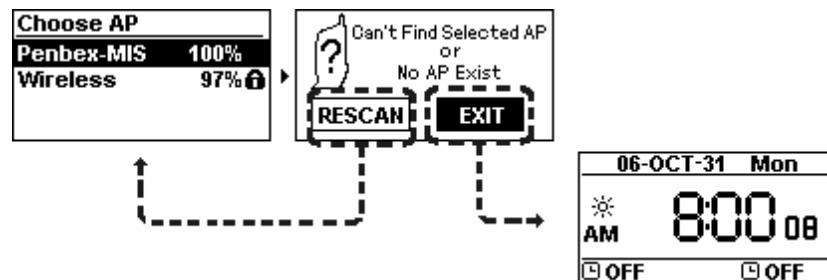
Select 「GO」 to run Wizard mode OR Select 「EXIT」 to quit

## (1) CAN NOT FIND ANY ACCESS POINT



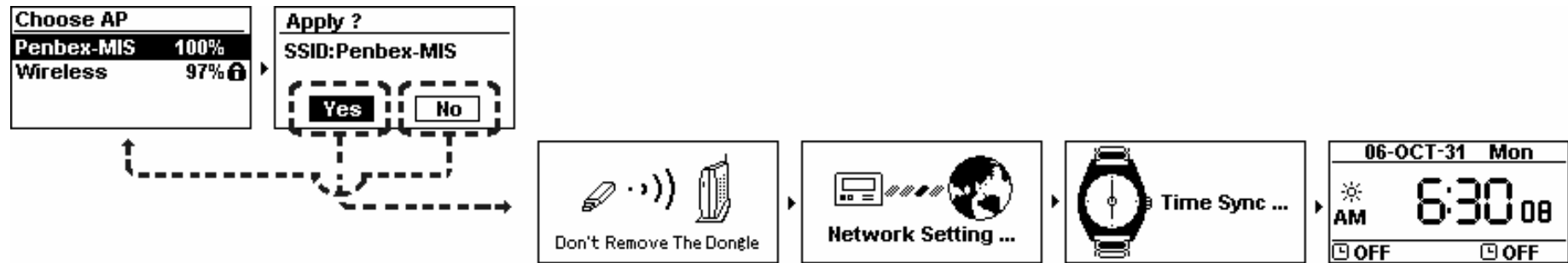
Select 「RESCAN」 to search again OR Select 「EXIT」 to quit

## (2) CAN NOT FIND THE AP YOU WANT, PRESS 「ESC」 TO ENTER PRESCAN MODE



Select 「RESCAN」 to search again OR Select 「EXIT」 to quit

## ·SELECT AN EXISTING AP THAT DOES NOT NEED AN ENCRYPTION



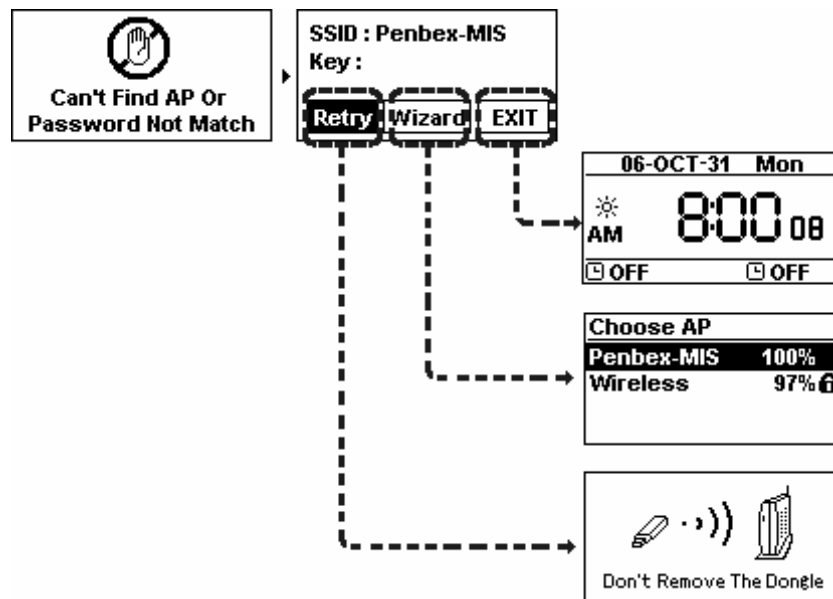
Select 「Yes」 to make a connection OR Select 「No」 to select other Access Points

## ·SELECT AN EXISTING AP THAT NEEDS AN ENCRYPTION



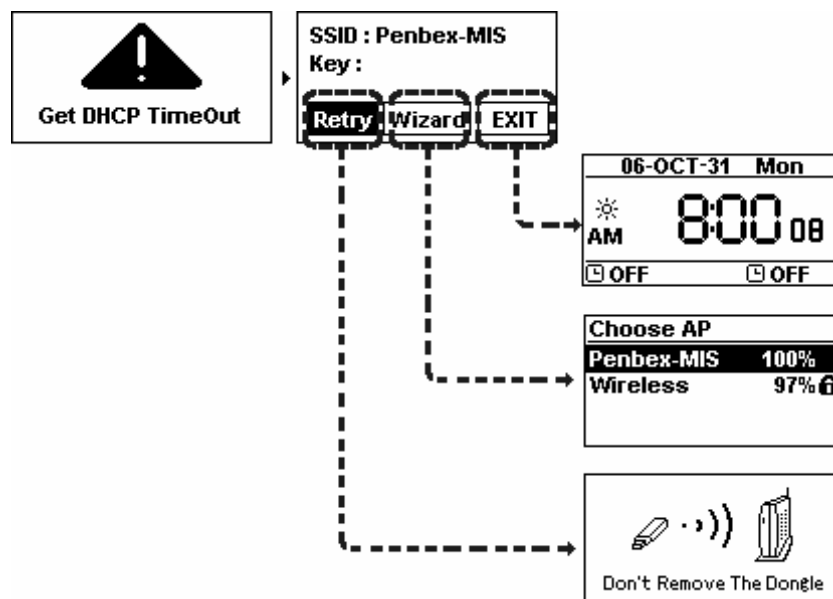
After input the encryption, Select 「Yes」 to make a connection OR Select 「No」 to select other Access Points

## ·FAIL TO CONNECT TO ACCESS POINT



1. Select 「Retry」 to reconnect
2. or Select 「Wizard」 to search available wireless networks
3. or Select 「EXIT」 to exit

## ·CAN NOT GET DHCP



1. Select 「Retry」 to reconnect
2. or Select 「Wizard」 to search available wireless networks
3. or Select 「EXIT」 to exit

# Chapter 3 Internet Radio

## **3.1 Introduction**

By using internet radio, listeners receive a continuous stream of audio from internet radio stations. Internet Radio supports many audio stream sources such as Microsoft (mms://..), Live365, and SHOUTCast.

·World Station (<http://station.penbex.com.tw>)

·SHOUTCast (<http://www.shoutcast.com>)

Today most traditional FM radio stations in the world offer on-line radio services or programs. Internet Radio can connect to those on-line radio services or programs. Moreover, Internet Radio categorizes those stations by country, and sort them under World Station file. This makes it easy to search or find a particular radio station.

## **3.2 World Station**

System requirements: Recommend broadband internet connection (xDSL/Cable Modem). However, Internet Radio does not support PPPoE(ADSL) or ISP Proxy (cable modem). We strongly recommend connecting with a broadband router to have better quality of audio streaming.

·If there is no internet connection on your Internet Radio, Wizard mode will be automatically activated. Please follow the instructions shown on the screen to establish network connection.

### **3.2.1 Listen to World Station**

·Go to[Main] menu, choose [i.Radio] and press 「SELECT/OK」 button.

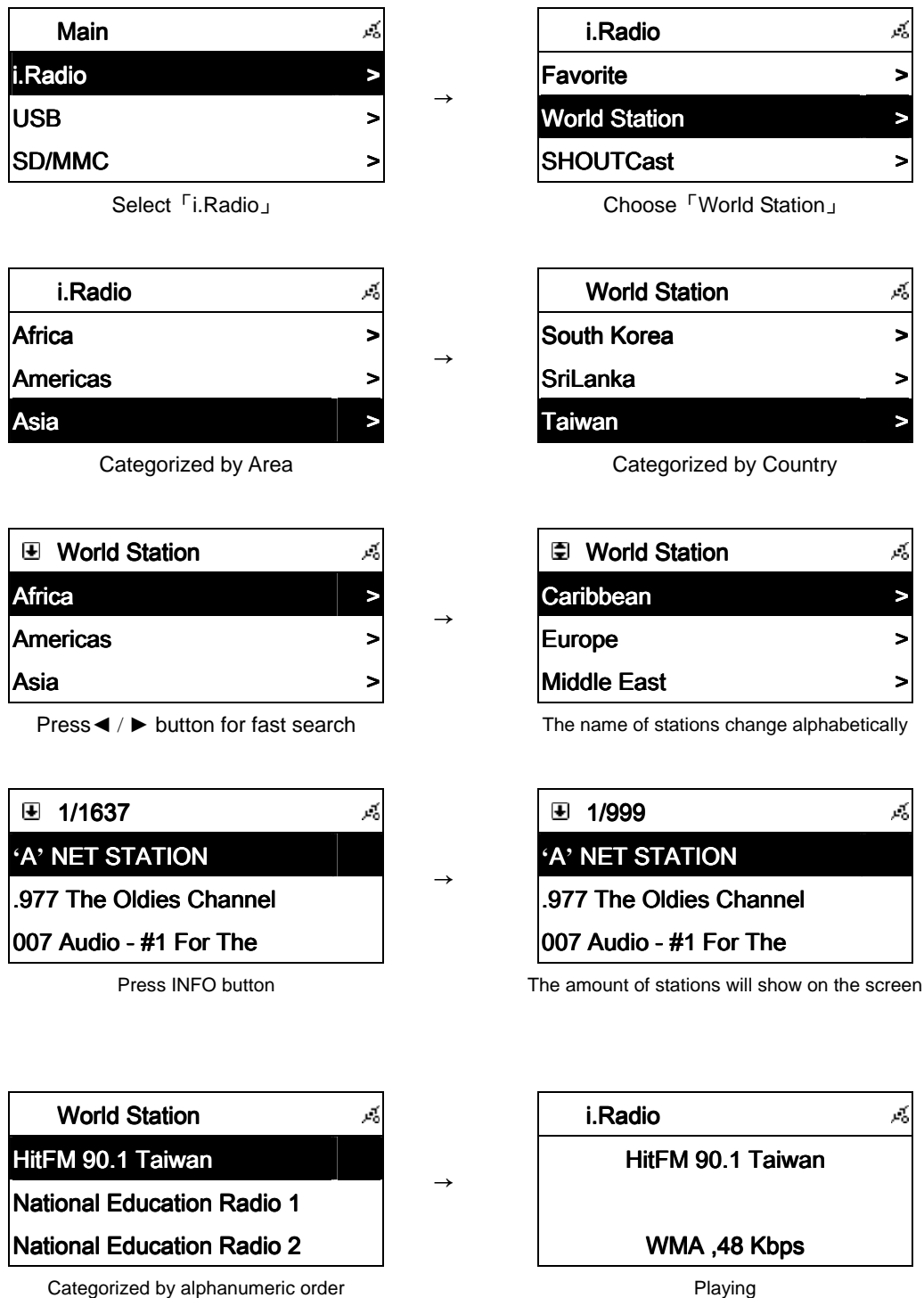
·Choose [World Station] and then press 「SELECT/OK」 button.

·Scroll up/down to a station and then press 「SELECT/OK」 button to play.

·You will hear music after buffering reaches to 100%.

**Note : For fast search for an internet radio station, press「Right」button to jump from radio stations started with alphabet A to alphabet B, alphabet B to alphabet C, and so on. Press 「Left」 button to jump backward.**

Table 3.2.1



**3.3 SHOUTCast**

System requirements: Recommend broadband internet connection (xDSL/Cable Modem). However, Internet Radio does not support PPPoE(ADSL) or ISP Proxy (cable modem). We strongly recommend connecting with a broadband router to have better quality of audio streaming.



### 3.3.1 Listen to SHOUTCast

- Go to [Main] menu, choose [i.Radio] and press 「SELECT/OK」 button.
- Choose [SHOUTCast] and then press 「SELECT/OK」 button.
- Scroll up/down to a station and then press 「SELECT/OK」 button to play.
- You will hear music after buffering reaches to 100%.

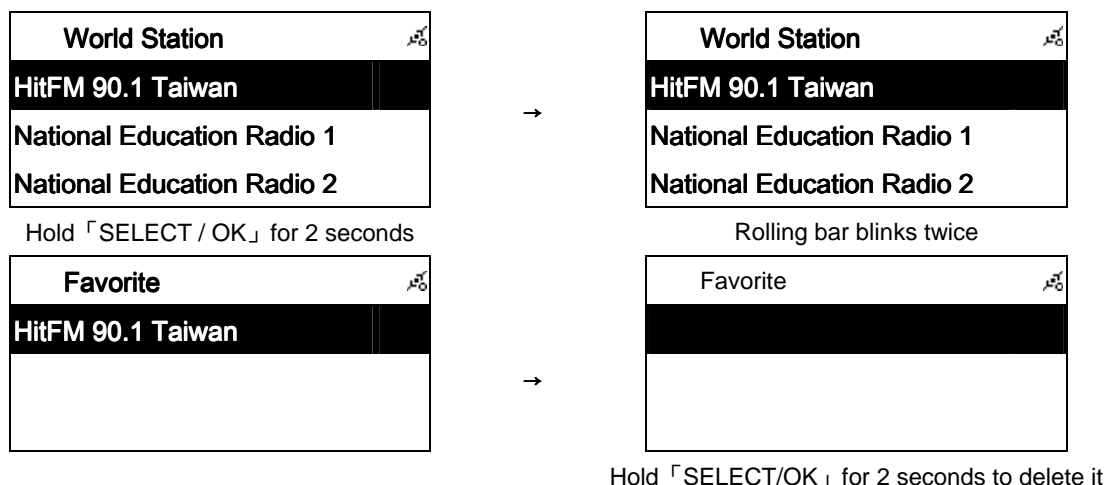
**Note :** Press 「INFO」 to show the total amount of internet radio stations in a specific category and which one you are browsing.

### 3.4 Add/Delete a Radio Station

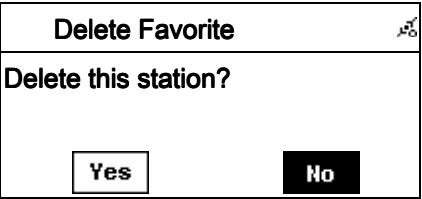
**NOTES:** You can add at most 20 radio stations into your FAVORITE file.

- Roll to the radio station that you want to add into FAVORITE.
- Hold 「SELECT/OK」 button for 2 seconds after blinking stops.
- To delete an internet radio station from your FAVORITE file is to scroll to a radio station you want to delete and hold 「SELECT/OK」 for 2 seconds.
- Choose [Yes] to confirm.
- The system will inform you if a station you try to add into FAVORITE exists already.
- It may consume more than 1 storage space if the information of a radio station is extensive.

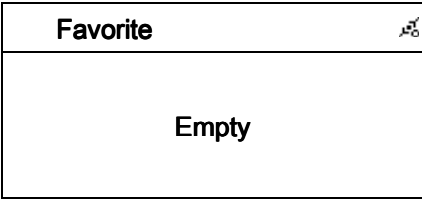
Table 3.4



The station is added into FAVORITE



Confirm



Choose 「Yes」 then press 「SELECT/OK」 to delete

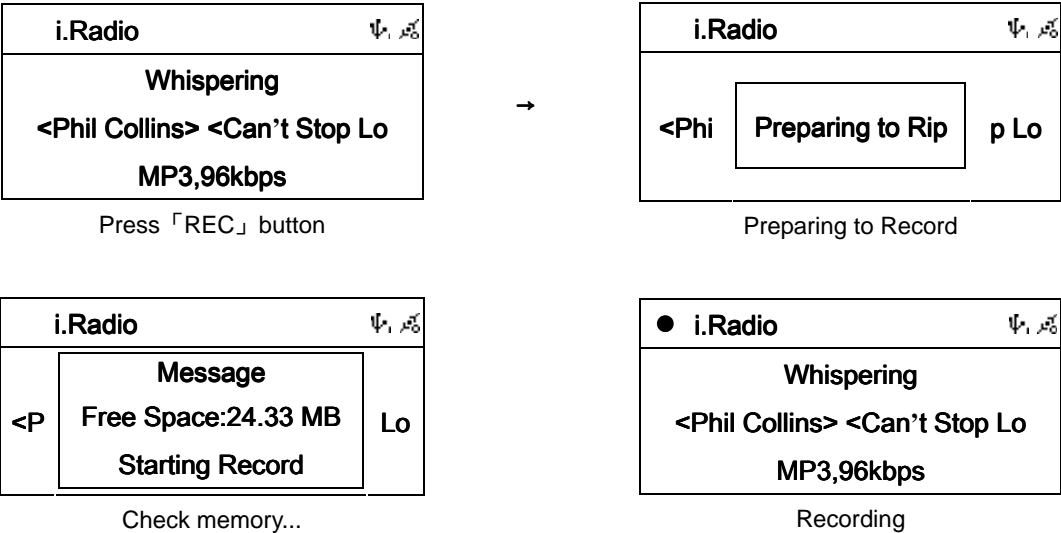
### 3.5 Record A Song From An Internet Radio Station

**NOTE:** The recording quality depends on the broadcast quality of the internet radio station.

#### 3.5.1 Recording

- Press 「REC」 button while you are listening.
- Internet Radio will ckeck if the storage has enough space for recording.
- will shown on your screen while it is recording.
- If you want to stop recording, press 「STOP/ESC」 button.

Table 3.5.1





## Chapter 4 PodCast

A Podcast is a series of digital-media files that are distributed over the Internet using syndication feeds for playback on your device. You can browse, play, subscribe and/or download any Podcasts from the Podcast directories. Moreover, you can download any specific podcast you desire and store into your mass storage, for example, your USB.

The device also supports auto-update, which means the device will download the subscribed podcasts when the device is in standby mode.

### 4.1 PodCast Setting

<b>Main</b>	
FileMgr	>
AUX	>
<b>Setting</b>	>

In Main Menu, scroll down to [Setting] and press  
[Select/OK] button



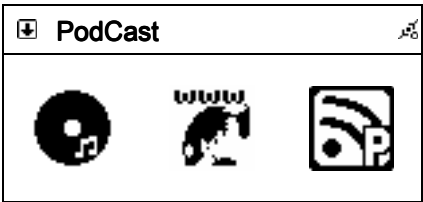
<b>Setting</b>	
<b>PodCast Setting</b>	>
iPod	>
Network	>

Scroll down to [Podcast Setting] and press [Select/OK]  
button

<b>PodCast</b>	
<b>Update Mode</b>	<b>Auto</b>
Update Items	All
Keep Items	All

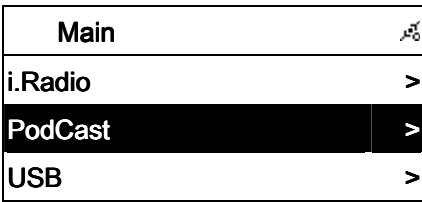
Item	Option
Update Mode (To decide the auto-update mode when the device is in Standby Mode )	Auto : Auto-update the content Manual : update the content by manually.
Update Items	All : All contents Newly : Only update those new contents Last 3 : Only update the latest three contents
Keep Items	All : Save all contents Newly : Save only new contents Last 3 : Save only the latest three contents

4.2 Browse/Subscribe/Play Podcasts

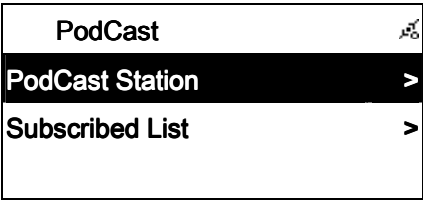


Podcast icon in Smart Boombox

OR

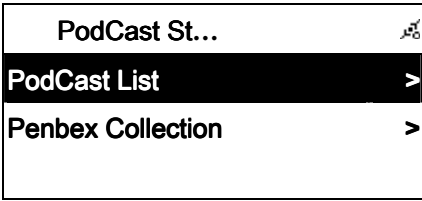


Podcast in Internet Radio

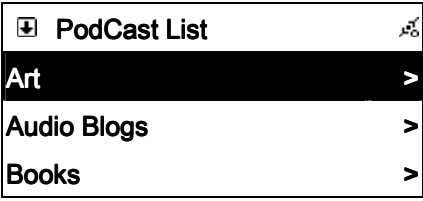


To browse Podcast station, scroll to [Podcast station] and Press [Select/OK] button

→




Select [Podcast List] and Press [Select/OK] button

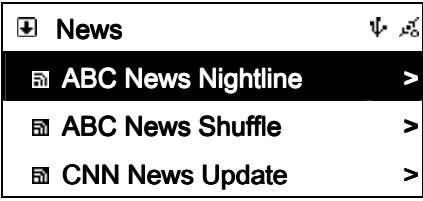


Choose from different categories and Press [Select/OK] button

→

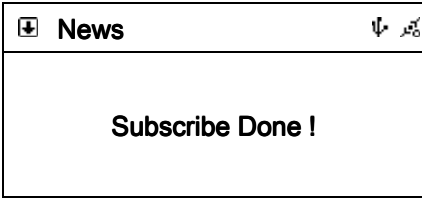


The list of podcast stations will appear. For the available podcast stations for your subscription.  icon can be observed in the beginning of the podcast stations.



To subscribe the Podcast, insert your USB into the device and press [Memory] or [REC] button

→

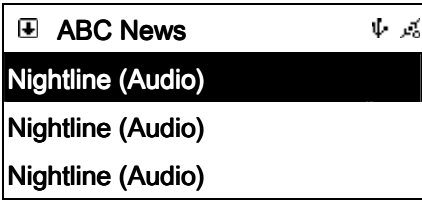


You have subscribed the Podcast station

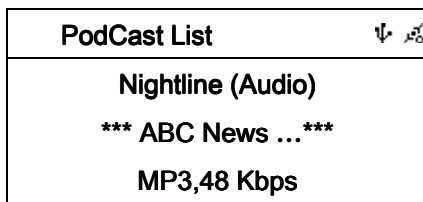


Press [Select/OK] button to browse the lists of Podcast stations

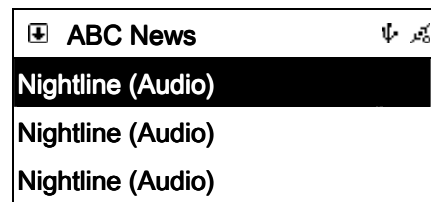
→



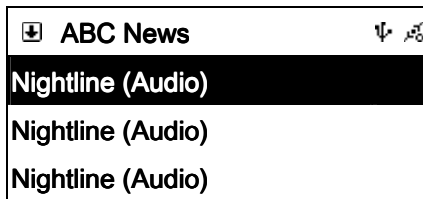
Scroll to the content and Press [Select/OK] button to listen



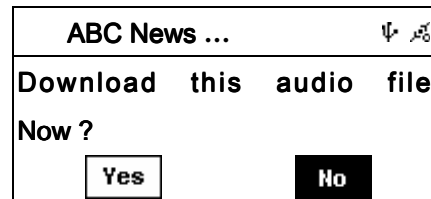
→



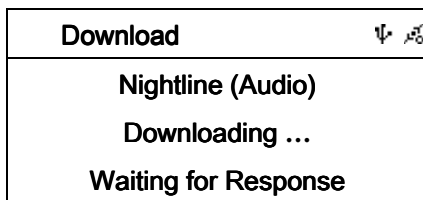
If you want to download a specific content, scroll to the content you want



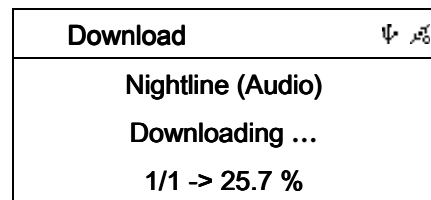
→



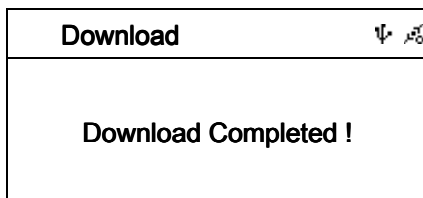
Choose [YES] to download



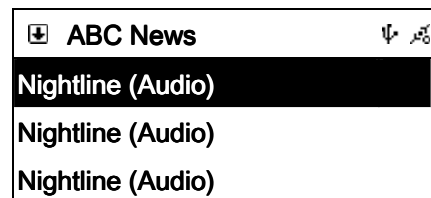
→



Download. . .

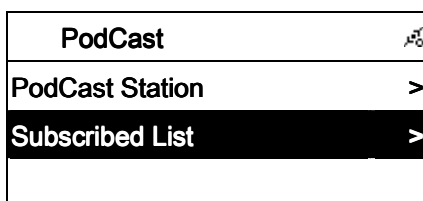


→

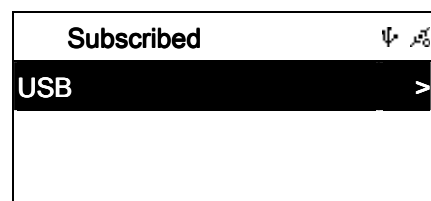


Go back to the content list after download finished

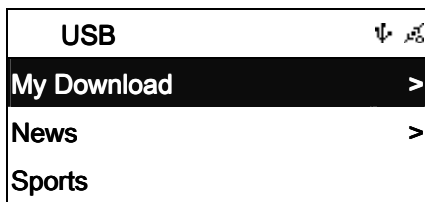
### 4.3 Play/Download the Podcasts from USB or SD/MMC



→



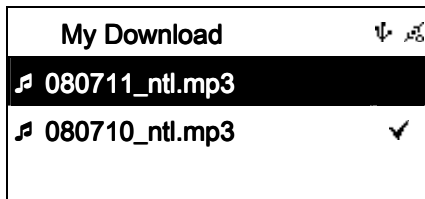
Press [Select/OK] button



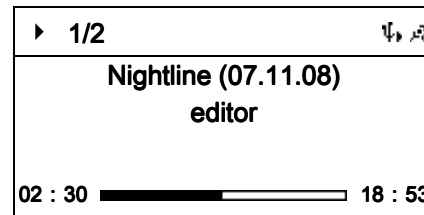
To download a specific content, scroll to [My Download] and press [Select/OK] button



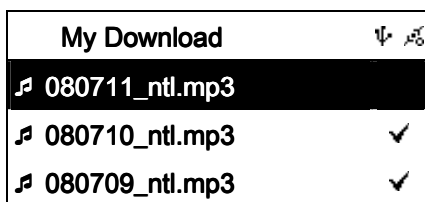
The subscribed podcast list



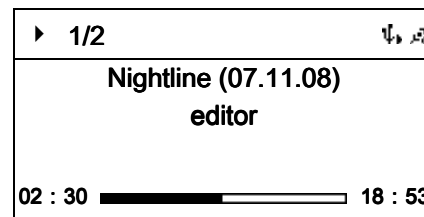
Scroll to the content and then press [Select/OK] button



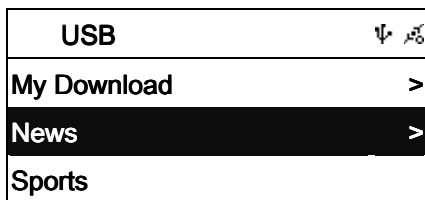
Playing...



Or make your Playlist by Press [Memory] button



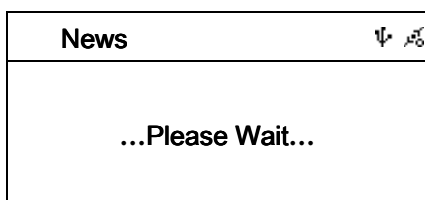
Press [Select/OK] button to listen from your playlist



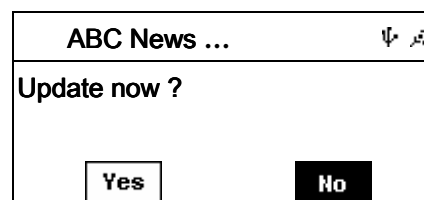
To browse your subscribed podcast, scroll to the categories (e.g. News) and press [Select/OK]



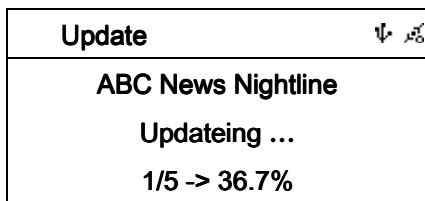
Choose the Podcast station and Press [Select/OK] button



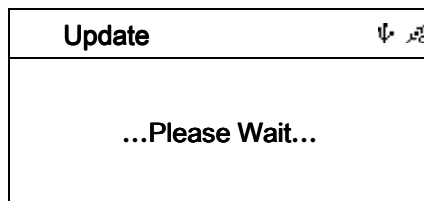
Checking Database



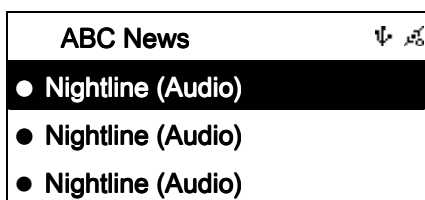
Updated contents are available and choose [YES] to download.



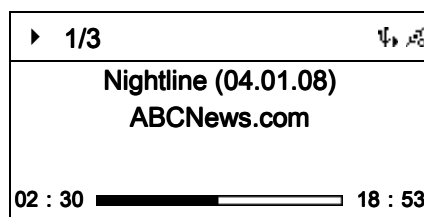
You can stop downloading anytime by press  
[ESC/STOP] button



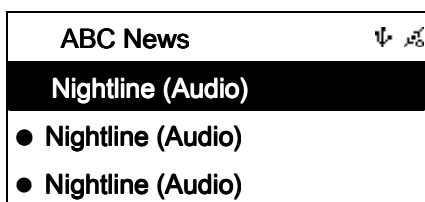
Processing



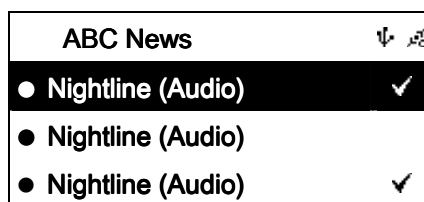
The contents you have downloaded.



Press [Select/OK] button to play

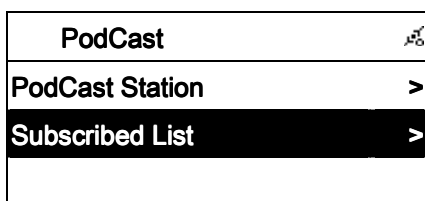


After contents are played, ● icon will disappear.

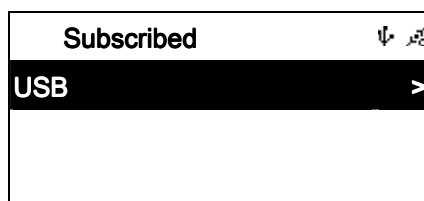


Or you can make your playlist by press [Memory] button

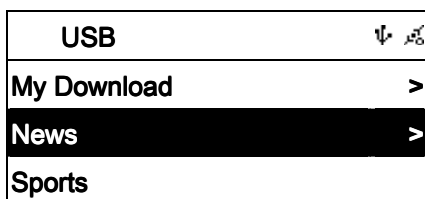
## 4.4 Unsubscribe Podcast from USB or SD/MMC



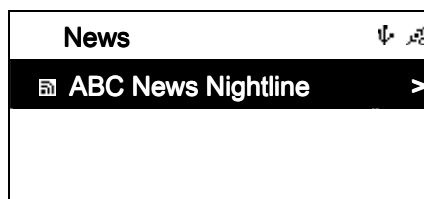
Insert your USB, scroll to [Subscribed List] and  
then press [Select/OK] button



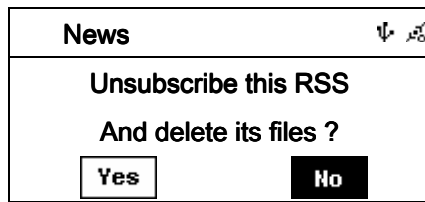
Choose [USB] and press [Select/OK] button



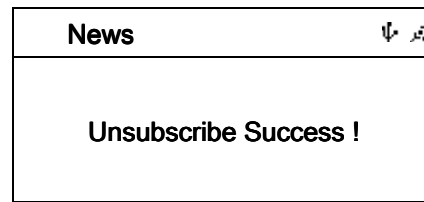
Choose the category and press [Select/OK] button



Choose a podcast station you want to unsubscribe and  
press [Memory] button



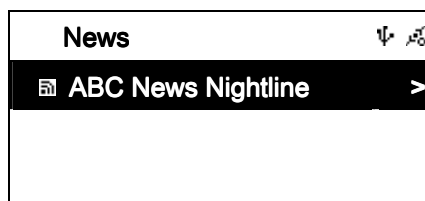
Choose [YES] to confirm and press [Select/OK]  
button



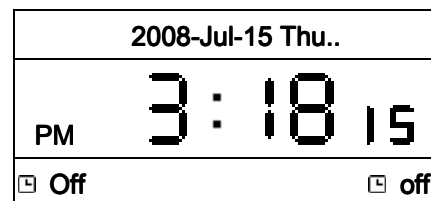
Unsubscribe Success

## 4.5 Download Podcasts in Standby Mode

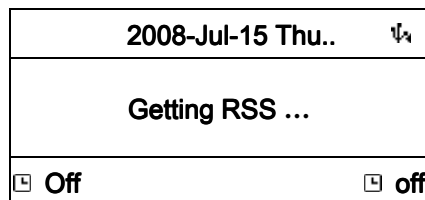
When the device is in Standby Mode, it will download your subscribed podcasts automatically. So you insert your USB or SD/MMC card before you go to sleep at night. The device will check if there is any updated content available and download it for you.




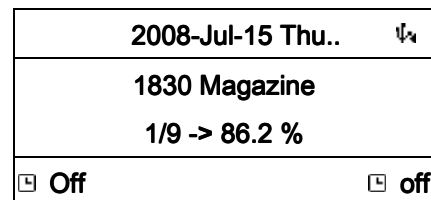
Press [Power] to make the device goes into  
Standby Mode



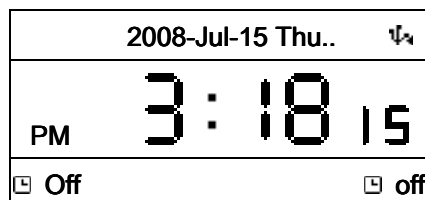
The device is in Standby mode.




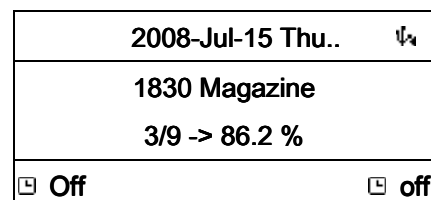
On the top right of screen,  icon will appear and blink. It means that the device is trying to get RSS  
at that moment.



If there is any updated content



The screen of the device will get back to clock  
mode. But the device is still downloading the  
updated content. ()



Downloading. . .





2008-Jul-15 Thu..	
PM	3 : 18 15
Off	off

After download finished, the device will go back to

Standby Mode.

## Chapter 5 USB

- NOTE:** 1. Please make sure your USB device is, charged before connecting to the unit. Otherwise, it may not be detected. Backup your data on this device in order for it to work properly.
2. In all play modes, if the filename is not in English, the international character for MP3/WMA tracks is replaced with “disorder character”.
3. Some USB devices may be incompatible.

### 5.1 Playing Songs on the USB Disk

- Insert an USB device with MP3/WMA audio files into your system.
- USB icon will show on the top side of the screen when USB is detected.
- Select 「**USB**」, and press 「**SELECT/OK**」 button
- Scroll up/down to a song, folder or All then press 「**PLAY**」 button to play.
- Select marked songs or folders: Press 「**MEMORY**」 button to make a check mark
- ✓, then press 「**PLAY**」 button to play these marked songs.

Table 5.1

USB	USB icon
⊙ All	
Phil Collins	
Do You Remember	

Press 「**PLAY**」

or

▶ 001/012	USB icon
Can't Stop Loving You	
Phil Collins	
*** Love Songs: A Compilation	
02 : 30	04 : 30

Music playing

## Chapter 6 SD/MMC

**NOTE :** Some SD/MMC cards may be incompatible.

### 6.1 Playing Songs on the SD/MMC Card


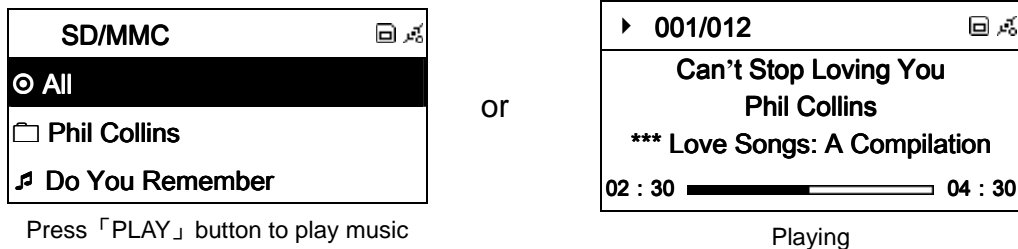
1. Insert a SD/MMC card with MP3/WMA audio files into the SD/MMC slot.
2.  icon will show on the topside of the screen when SD/MMC is detected.
3. Then press 「**SELECT/OK**」 button to enter SD/MMC function.
4. Scroll up/down to a song, folder or, [⊙ All] then press 「**PLAY**」 button to play.
5. Select marked songs or folders: Press 「**MEMORY**」 button to make a check mark ✓, then press 「**PLAY**」 button to play these marked songs.

Table 6.1



## Chapter 7 FM Radio

### 7.1 Listening to FM Radio

#### 7.1.1 FM

Select FM from the main menu and then press 「**SELECT/OK**」 button to enter FM function.

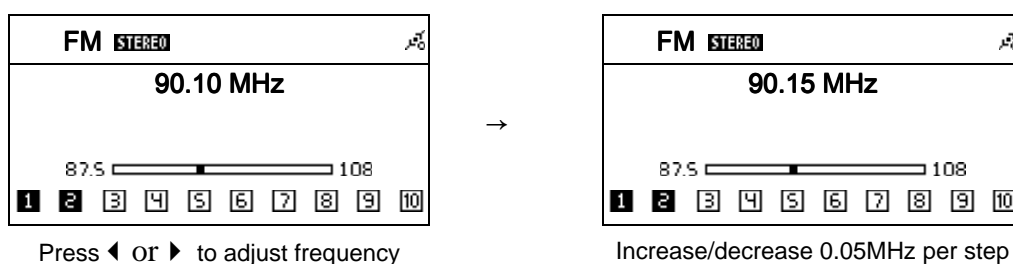
Press 「◀」 「▶」 button to switch the tuner to FM radio

## 7.2 Tuning the FM Frequency

- Press 「◀」 button to decrease 0.05MHz (Europe).
- Press 「▶」 button to add 0.05MHz (Europe).

Autoscan mode will be activated when holding 「◀」 button for 3 seconds and release 「◀」 button (from 87.5MHz to 108MHz increasingly). Holding 「▶」 button for 3 seconds and release 「▶」 button will autoscan frequency from 108MHz to 87.5MHz decreasingly)

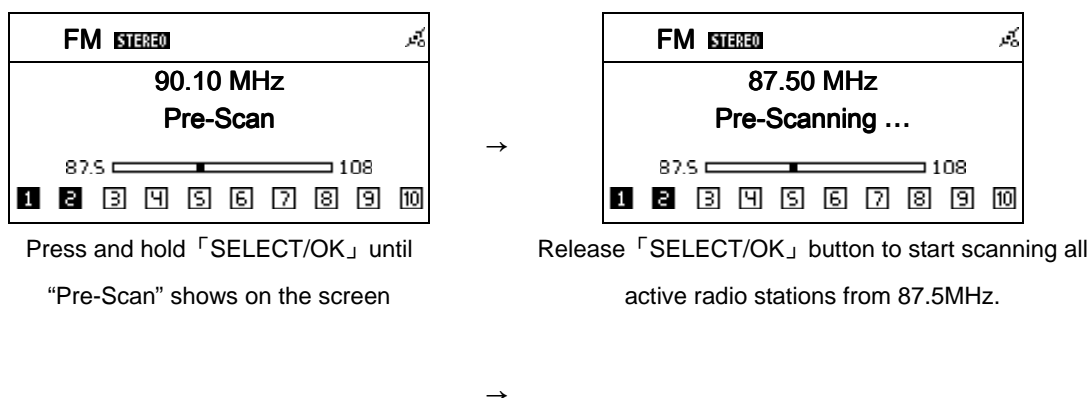
Table 7.2

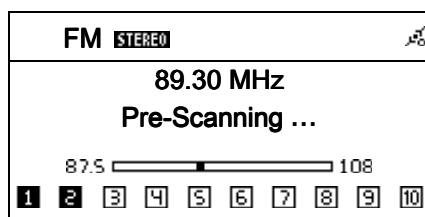


## 7.3 Prescanning All Active FM Radio Stations

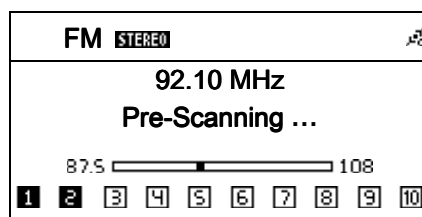
- Enter FM function and hold 「SELECT/OK」 button until the message **[Prescan]** shows on the screen.
- Then release 「SELECT/OK」 button to Pre-Scan all active FM radio stations.

Table 7.3

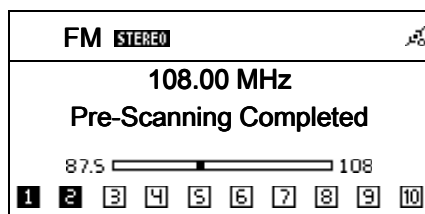




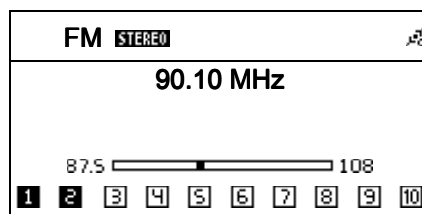
Finding an available radio station



Finding an available radio station



Prescanning completed



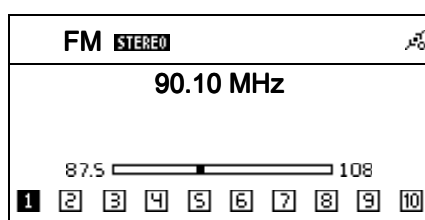
Press 「PLAY」 to listen to the radio stations that have been found by prescanning

## 7.4 Presetting a Favorite Station

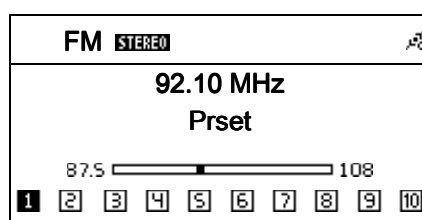
1. Internet Radio supports 10 preset channels. Press 「MEMORY」 button to preset the listening station. **CH1** icon will flash on the screen.
2. Find a radio station and press number [1] button for 3 seconds on your remote control will add a radio station into preset station channel **1** (press number [2] for channel **2** .... and press number [0] for preset channel **10**). **or**
3. Press 「◀」 「▶」 button to switch the channel number, then press

「SELECT/OK」 to confirm.

Table 7.4

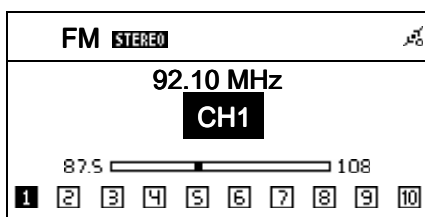


Press ◀ / ▶ to find a frequency you want to store

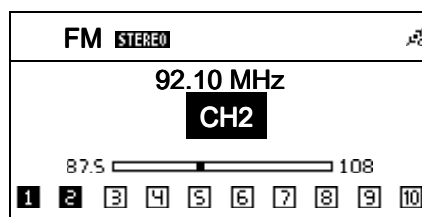


Press 「SELECT/OK」 button and then "Preset" will show up

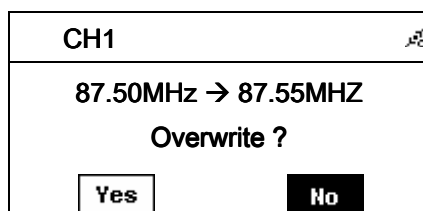




CH1 icon will flash on the screen



Press ◀ / ▶ to find a channel, and press  
「SELECT/OK」 button to store



The system will inform you if you want to overwrite the preset station.

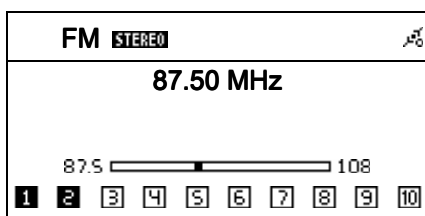
## 7.5 Listening to a Preset Station

Under FM mode, press numbered key [1]-[0] on your remote control will play the stations in your preset channel 1-10.

OR

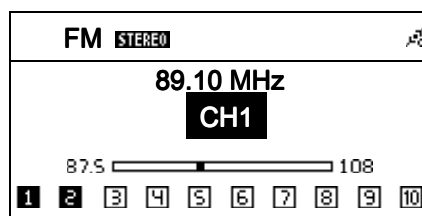
Press UP/DOWN to select a channel.

Table 7.5



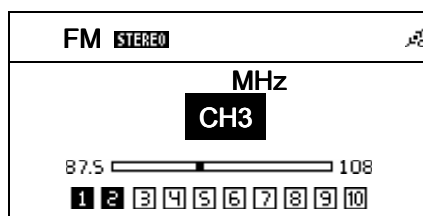
Radio Playing

→



Press 「Up」 / 「Down」 call

1

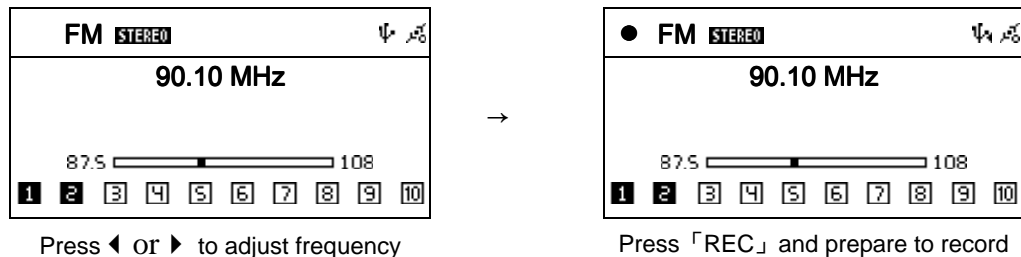


You haven't preset a frequency for this channel yet

## 7.6 Recording From FM

Press 「REC」 when listening FM.

Table 7.6



# Chapter 8 Media Server

## 8.1 Supported Media Server

WMP11(Windows Media Player 11) (Windows XP SP2 / Vista Premium 32 Bits)

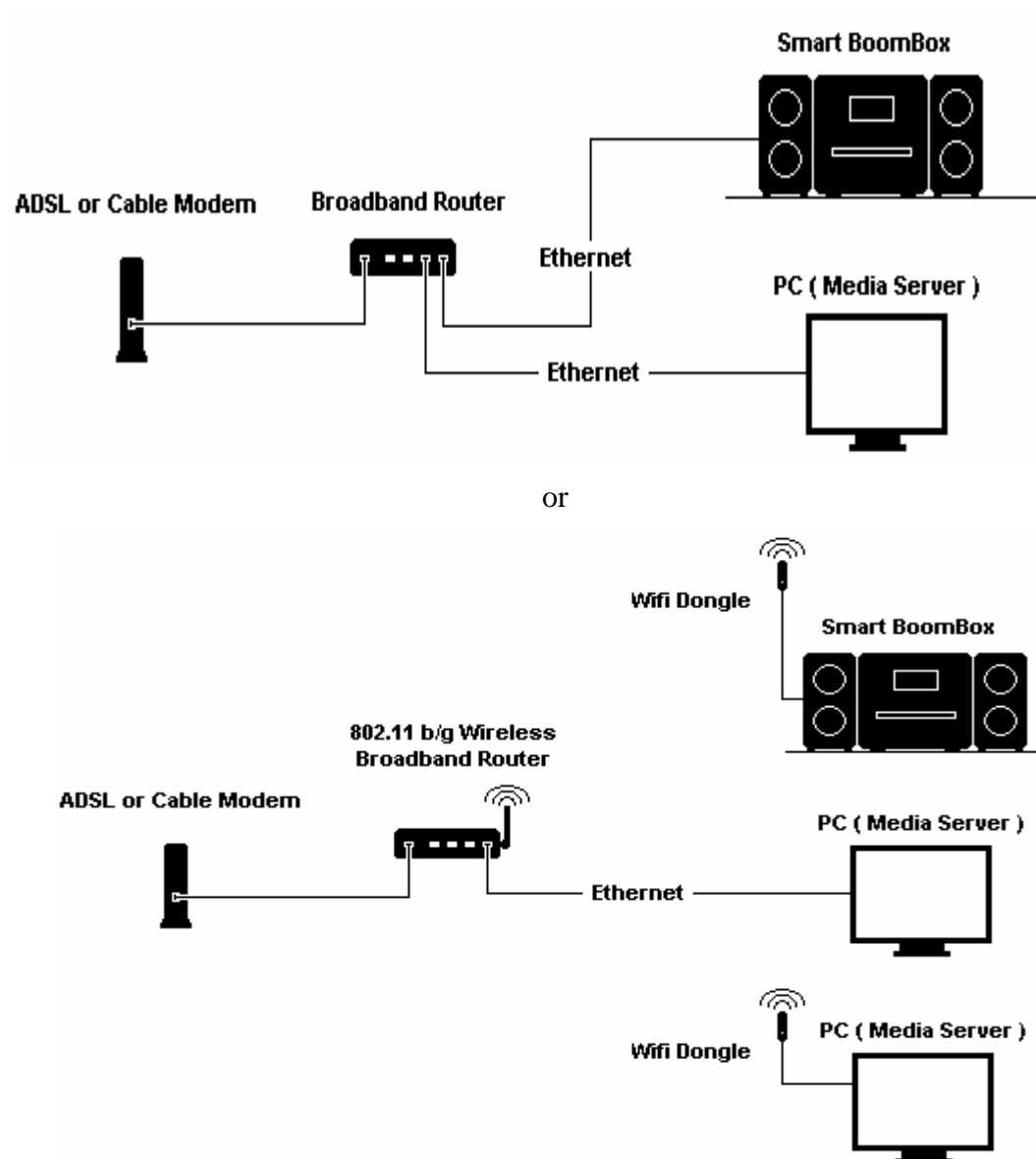
## 8.2 Setting Upnp Environment

### NOTE:

- Before you use your PC as a media server, make sure your PC (or the media server you try to connect) has WMP11 (Windows Media Player 11) installed. Each media server has to have its WMP11 installed.
- Usually, the default of your PC firewall is to block not necessary connection. Make sure Upnp function is enabled on your PC (media server).
- Disable Proxy function in your INTERNET RADIO.

### 8.2.1 UPnP Networked Environment Diagram



- Please connect this system and UPnP Media Server on the same local LAN., and make sure the network setting is correct.
- The UPnP networked environment diagram is as follows.




### 8.3 Playing Songs on UPnP Media Server

1. Select [**Media Server**] from the main menu and then press 「**SELECT/OK**」 button to enter Media Server function.
2. Select one server from all available media servers.
3. Scroll up/down to [**All songs**], [**Artists**], [**Albums**], [**Genres**] or other items, then press 「**SELECT/OK**」 button to enter.
4. Scroll up/down to a song or folder, then press 「**SELECT/OK**」 button to play.

Table 8.3

 <b>Main</b> 
<b>USB</b> >
<b>SD/MMC</b> >
<b>Media Server</b> >





or

<b>Servers</b> 
<b>Windows Media Connect (Penbex)</b>
<b>Intel AV Media Server (Lianban</b>
<b>MediaTomb</b>

Select [Media Server] and press 「SELECT/OK」

Select one server, then press 「SELECT/OK」

<b>UPNP</b> 
 <b>All Image Items</b> >
 <b>All Audio Items</b> >
 <b>All Video Items</b> >

Select a song or folder, then press 「PLAY」 to play.

## Chapter 9 File Manager

### 9.1 Copy/Move Files to an USB Disk or SD/MMC Card


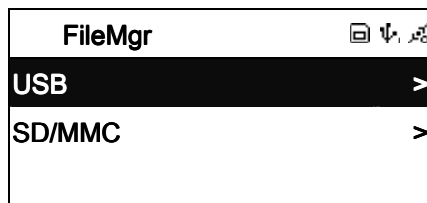
1. Insert an USB disk or a SD/MMC card.
2. Select [**FileMgr**] from the main menu, then press 「**SELECT/OK**」 button to enter File Manager function ( icon will show on the screen).
3. Scroll up/down to [**USB**] or [**SD/MMC**], then press 「**SELECT/OK**」 button to enter.
4. Scroll up/down to a file or folder, then press 「**MEMORY**」 button to make a check mark ✓
5. Press 「**REC**」button to select [**Copy**] or [**Move**], then press 「**SELECT/OK**」 button.
6. Select a target directory.
7. Press 「**REC**」 button to select [**Paste**], then press 「**SELECT/OK**」 button to paste.

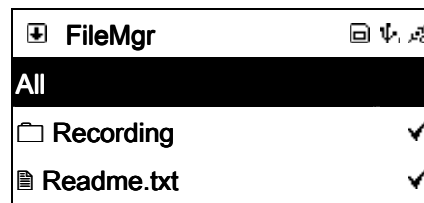


Table 9.1

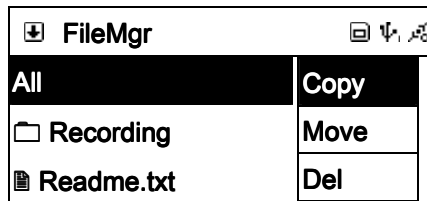


Select [USB], then press 「SELECT/OK」

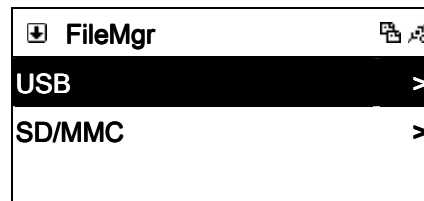
or



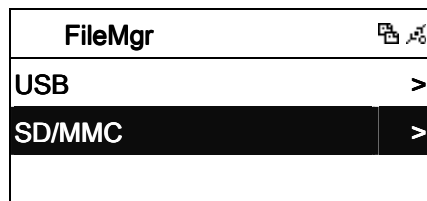
Select a file or folder, then press 「MEMORY」.



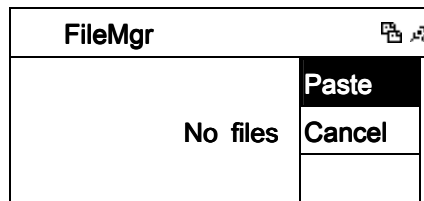
Press 「REC」, then select a function.



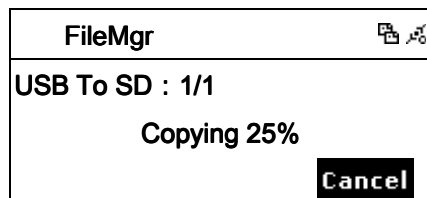
icon will show on the screen.



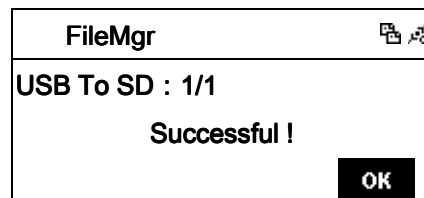
Select a target directory.



Press 「REC」 again to paste.



Copying files



It is successful to finish copying.

## Chapter 10 iPod Dock

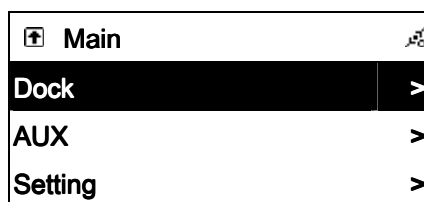
### 10.1 Dock

Put your iPod on the dock.

Scroll to [Dock] and then press 「SELECT/OK」 button to enter dock mode.

You can use your remote control to operate and play the songs by observing the display of iPod.

Table 10.1



Select [Dock] and press 「SELECT/OK」



Enter iPod DOCK mode

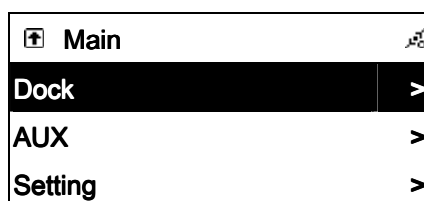
Input Table

IPod dock	Remote Control Keys
Scroll Up	Up
Scroll Down	Down
Prior Song/Repeat	Left
Next Song	Right
Select Submenu/Song	OK
Play / Pause	Play
Leave dock mode	ESC
Repeat All / Once	Repeat
Random	Random
Volumn Up	Vol +
Volumn Down	Vol -
EQ	EQ
Back to Prior Menu	Menu

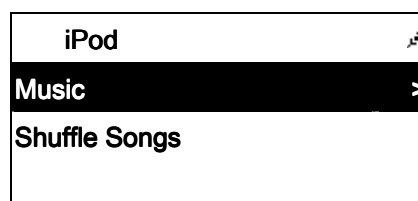
## 10.2 Dock - Extended Mode

- You are able to read the contents that inside of iPod by observing the display of the system and operate your iPod.
- To setup the Extended mode, please check [11.5 Docking mode](#).
- Put your iPod on the dock.
- Scroll to [**Dock**] and then press 「**SELECT/OK**」 button to enter dock mode.

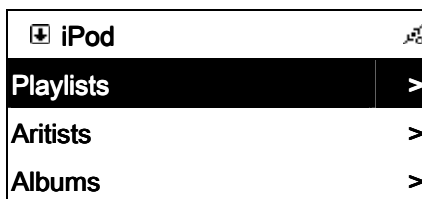
Table 10.2



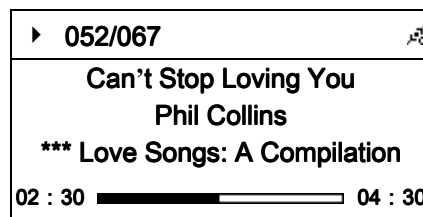
Select [Dock] and press 「SELECT/OK」



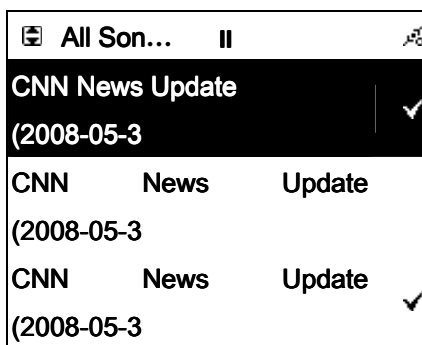
Enter iPod Extended Mode



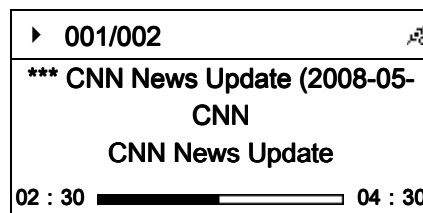
Select the song from playlist by press  
「SELECT/OK」



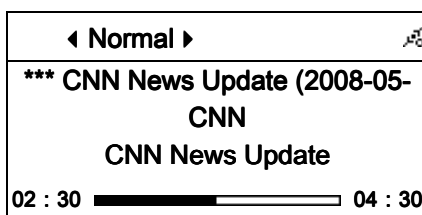
Press 「Play」 button to play songs



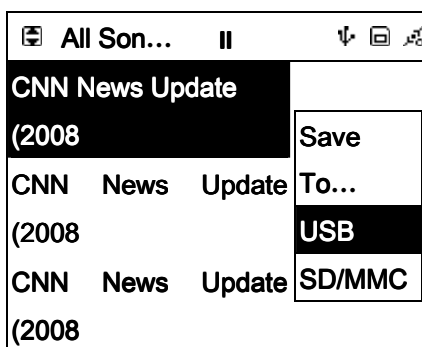
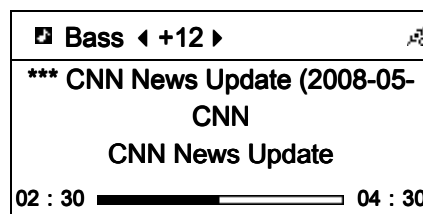
Or to select your favorite songs from playlist by  
press 「Memory」 button



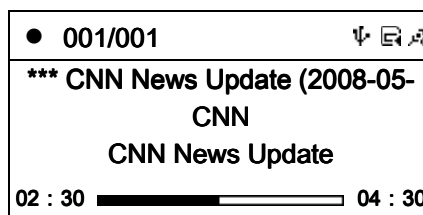
Press 「Play」 button to play your favorite  
songs only



Press 「EQ」 button to change EQ mode



Press 「Memory」 to select the songs you want to  
store at other mass storages. And Press 「REC」  
to store



Recording..

Input Table

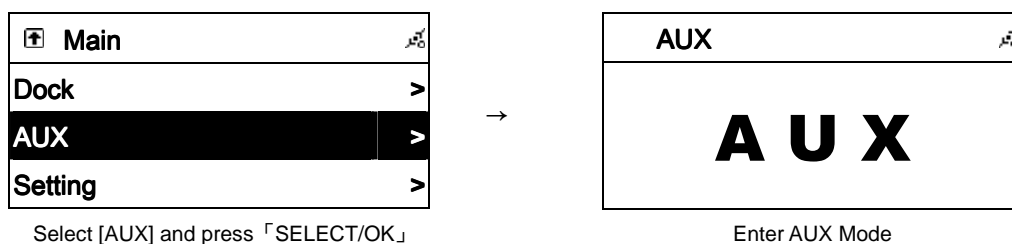
IPod dock	Remote Control Keys
Scroll Up	Up
Scroll Down	Down
Prior Song/Repeat	Left
Next Song	Right
Select Submenu/Song	OK
Back to prior menu	ESC
Play / Pause	Play
Repeat All / Once	Repeat
Random	Random
Volumn Up	Vol +
Volumn Down	Vol -
EQ	EQ
Select songs from playlist	Memory
Record a song to USB / SD	Rec
Back to main menu	Menu

## Chapter 11 AUX

### 11.1 AUX Mode

1. Select [AUX] from the main menu, press 「SELECT/OK」 button to enter.
2. AUX will appear on the screen. Plug in audio source and start playing.
3. In AUX mode, Volume and Equalizer are adjustable.

Table 11.1





In AUX mode, volume and P-EQ are adjustable



Press EQ to adjust Equalizer

## 11.2 Recording in AUX Mode

SMBB can accept different audio sources (such as MP3 Player, Discman, or Bluetooth audio receiver) and play those sources by connected with a 3.5mm audio input cable.

1. Select [AUX] from the main menu, press 「SELECT/OK」 button to enter.
2. AUX will appear on the screen. Plug in audio source and start playing.
3. Press 「REC」 to start recording.
4. Press 「STOP/ESC」 to quit

Table 11.2



Enter AUX mode



Press 「REC」 to start recording



The recording quality depends on the quality of your audio source.



Press 「ESC」 to stop recording

# Chapter 12 Setting

## 12.1 Date & Time

- Support NTP (network time protocol).
- Auto-sync time via internet at 00:00 and 12:00 or everytime SMBB is on.
- Support manual date & time settings.
- Support DST & Time Zone settings

### 12.1.1 Setting the Date

- Go to 「**Setting**」, then scroll up/down to [**Date & Time**] and press  
「**SELECT/OK**」 button to enter [**Date**] submenu.
- The default [**TimeSync**] is Yes.
- To scrolling Up/Down key to change the year, month, and day. And Press  
「**SELECT/OK**」 to shift from year, month, and day.
- After finish setting, then press 「**SELECT/OK**」 button to confirm and save.

Table 12.1.1

Setting	
Date & Time	>
Alarm	>
Play Mode	Normal

Select [Date & Time], and press 「SELECT/OK」



Date & Time	
TimeSync	Yes
Date	>
Time	>

The default TimeSync is Yes

Date & Time	
TimeSync	Yes
Date	>
Time	>

Scroll to [Date] and press 「SELECT/OK」



Date	
▲ ▲	
2008 05 10	
▼ ▼	

Scroll Up / Down to adjust year, month, and day

Date & Time	
TimeSync	Yes
Date	>
Time	>

After finishing, the changes will be saved

### 12.1.2 Setting the Time

Go to 「**Setting**」, then scroll up/down to [**Date & Time**] and press

「**SELECT/OK**」 button to enter [**Time**] submenu.

The default [**TimeSync**] is Yes.

To scrolling Up/Down key to change the hour and minute. And Press

「**SELECT/OK**」 to shift from hour and minute.

After finish setting, then press 「**SELECT/OK**」 button to confirm and save.

Table 12.1.2

Setting	
Date & Time	>
Alarm	>
Play Mode	Normal

Select [Date & Time], and press 「SELECT/OK」

→

Date & Time	
TimeSync	Yes
Date	>
Time	>

The default TimeSync is Yes

Date & Time	
TimeSync	Yes
Date	>
Time	>

Scroll to [Time] and press 「SELECT/OK」

→

Time	
▲	▲
13	: 41 : 23
▼	▼

Scroll Up / Down to adjust the hours and minutes

Date & Time	
TimeSync	Yes
Date	>
Time	>

After finishing, the changes will be saved


### **12.1.3 Setting the Time formation**

Go to 「**Setting**」, then scroll up/down to [**Date & Time**] and press


「**SELECT/OK**」 button to enter [**Time Format**] submenu.

Press 「**SELECT/OK**」 button to select to 12-hour or 24-hour.

Table 12.1.3

Setting	
Date & Time	>
Alarm	>
Play Mode	Normal

→

Date & Time	
Date	>
Time	>
Time Format	24

Select [Date & Time], and press 「SELECT/OK」

Choose [Time Format] to change

## **12.2 Alarm**

Support two alarm clock settings.

Support Daily alarm clock.

Support different alarm-clock sound (Beep / i.Radio / USB / SD/MMC / FM).

### **12.2.1 Setting the Alarm**

1. Press 「**Setting**」button, then scroll down to [**Alarm**] and press 「**SELECT/OK**」 button.
2. Select [**Use Alarm 1**] submenu and press「**SELECT/OK**」button to activate the alarm.
3. Press UP/DOWN button to set alarm time, and press 「**SELECT/OK**」 button shift from hour to minute.
4. After finish setting, press 「**SELECT/OK**」 button to confirm.



Table 12.2.1

Alarm	
Use Alarm 1	No
Set Alarm 1	>
Use Alarm 2	No

The default [Use Alarm 1] is No.



Alarm	
Use Alarm 1	Yes
Set Alarm 1	>
Use Alarm 2	No

Scroll to [Set Alarm 1] to set the alarm clock

Alarm 1	
▲	
14 : 54 : 00	
▼	

Scroll Up/Down to set hours and minutes

2008-May-10 Thu..	
PM	3 : 18 15
PM 6:00	off

After finishing, the changes will be saved

**Note : Some models can activate/disarm alarms by press Alarm 1/Alarm 2 button while INTERNET RADIO is in Standby mode.**

**12.2.2 Setting the Alarm Sound**

1. Press 「**Setting**」 and scroll down to [Alarm] and press 「**SELECT/OK**」 .
2. Select [Alarm Source] and then press 「**SELECT/OK**」 button to enter.
3. Press UP/DOWN button to determine an alarm sound, and then press 「**SELECT/OK**」 button to confirm.
4. In some circumstances the screen of Internet Radio will flash to inform you as the alarm time is up.

Table 12.2.2

Alarm Source
Beep
i.Radio
USB

Scroll UP/DOWN button to determine an alarm sound, and then press 「**SELECT/OK**」 button to confirm

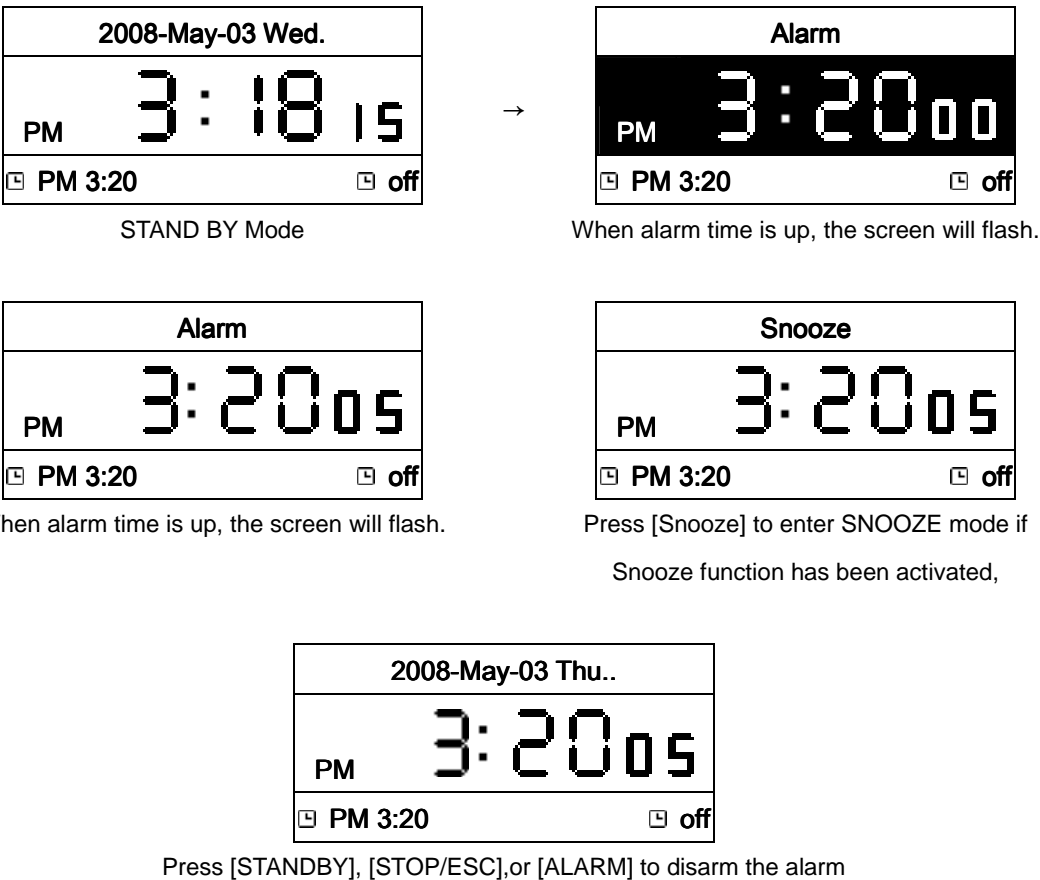
NOTE :

- The default alarm sound is “Beep”.
- The alarm goes off with the sound source in the standby mode when time is up.
- The default alarm source of i.Radio is the first radio station under the FAVORITE file.

**12.2.3 Disarming the Alarm**

- When alarm time is up in the “Standby Alarm” mode, the screen will flash and the alarm source will be played.
- Press 「**Standby**」 , or 「**STOP/ESC**」 , or 「**Alarm**」 button to disarm the alarm.
- The system will force to stop playing audio sources when the alarm time is up.
- If the system is on a work that is not able to stop, the screen will blink to inform you the alarm time is up.

Table 12.2.3



### 12.3 Play Mode

You can select play mode by press 「Repeat」 or 「Random」 button from the remote control. Or you can go to [Setting] and scroll down to [Play Mode]. Then press 「Select/OK」 to change play mode. Normal → Shuffle → Repeat One → Repeat All.

Table 12.3

The diagram illustrates the process of changing the play mode. It consists of two menu screens connected by a right-pointing arrow. The left screen shows a menu with 'Setting' at the top, followed by 'Date & Time', 'Alarm', and 'Play Mode'. 'Play Mode' is highlighted with a black background and white text, and the word 'Normal' is displayed to its right. The right screen shows the same menu, but 'Play Mode' remains highlighted, and the text 'Repaet All' (a misspelling of 'Repeat All') is now displayed to its right.

Select [Play Mode] and press 「SELECT/OK」 button

Changing play mode

### 12.4 Sleep

Sleep mode is able to be turned ON/OFF.

#### 12.4.1 How to Turn On/OFF Sleep Mode


Press 「SLEEP」 button on your remote control.

Press 「SELECT/OK」 button to activate sleep mode.

zz icon will show on the top side of the screen when the sleep timer is on.

Scroll to Sleep minutes and press 「SELECT/OK」 to change the sleep timer. (5, 10, 15, 20, 30, 60, 90, 120 minutes)

Table 12.4.1

Sleep	
Sleep	off
Sleep Miuntes	5

→

Sleep	zz
Sleep	On
Sleep Miuntes	5

Press 「SLEEP」 button on your remote

zz icon will show on the top side of the screen

## **12.5 Docking Mode**

- To select a simple mode or extended mode from iPod Dock. Yes means Extended Mode and No means Simple Mode.

## **12.6 Network**

- Support LAN (Ethernet) and WLAN (802.11b/g wifi Dongle is optional)
- Support Wi-Fi Encryption WEP64/128 and WPA-PSK
- Support dynamic IP via DHCP (Dynamic Host Configuration Protocol) and static IP.  
Default setting is Ethernet and DHCP.
- Support Infrastruct mode and Ad-hoc mode.
- Support Upnp.
- Auto-detect and auto-run LAN or WLAN(wireless LAN) environment.

### **12.6.1 Understanding the Networking States on The System**

- The network connectivity status icon will show on the top side of the screen.

Table 12.6.1.1 - LAN Status







Title 	→	<ul style="list-style-type: none"> <li>• It is failed to detect the Ethernet cable.</li> </ul>
Title 	→	<ul style="list-style-type: none"> <li>• It is successful to detect the Ethernet cable.</li> <li>• It is failed to get available DHCP information.</li> </ul>
Title 	→	<ul style="list-style-type: none"> <li>• It is successful to detect the Ethernet cable.</li> <li>• It is successful to get available DHCP information</li> </ul>

Table 12.6.1.2 - WLAN Status

Title 	→	<ul style="list-style-type: none"> <li>• It is failed to detect the USB Wi-Fi adapter.</li> </ul>
Title 	→	<ul style="list-style-type: none"> <li>• It is successful to detect the USB Wi-Fi adapter.</li> <li>• It is failed to get available DHCP information.</li> </ul>
Title 	→	<ul style="list-style-type: none"> <li>• It is successful to detect the USB Wi-Fi adapter.</li> <li>• It is successful to get available DHCP information.</li> </ul>

## 12.6.2 Setting the Wi-Fi Connectivity in infrastruct mode






1. Insert a Wi-Fi USB adapter into the USB connector. (The Wi-Fi USB adapter is optional)
2. Press 「**Setting**」 button, then scroll up/down to [**Network**] and press 「**SELECT/OK**」 button.
3. Select [**Connect**] and press 「**SELECT/OK**」 to switch [**LAN**] to [**WLAN**].
4. Scroll up/down to [**Wireless**] and then press 「**SELECT/OK**」 button to enter.
5. Scroll up/down to [**SSID**], [**Encryption**], or [**Site Survey**], then press 「**SELECT/OK**」 button to input the SSID and encryption.
6. Press UP/DOWN and 「**SELECT/OK**」 button to set each necessary item.
7.  icon will show on the topside of the screen when the wireless setting is successful.

Table 12.6.2



	<b>Network</b>	
<b>Connect</b>	<b>LAN</b>	
IP Setting	>	
Use Proxy	No	

Select [Connect] and switch [LAN] to [WLAN].





	<b>Network</b>	
Wizard	>	
IP Setting	>	
<b>Wireless</b>	>	

[Wireless] item will appear on the screen.

	<b>Wireless</b>	
<b>Wireless</b>	<b>Infra</b>	
SSID	>	
Encryption	>	

Set each necessary Wi-Fi setting item.




	<b>Wireless</b>	
<b>SSID</b>	>	
Encryption	>	
Site Survey	>	

 will show when the setting is successful.

## 12.6.3 Setting the Wi-Fi Connectivity in Ad-Hoc mode

1. Insert a Wi-Fi USB adapter into the USB connector. (The Wi-Fi USB adapter is optional)
2. Press 「**Setting**」 button, then scroll up/down to [**Network**] and press 「**SELECT/OK**」 button.
3. Select [**Connect**] and press 「**SELECT/OK**」 to switch [**LAN**] to [**WLAN**].
4. Scroll up/down to [**Wireless**] and then press 「**SELECT/OK**」 button to enter.
5. Select [**Connect Mode**] and press 「**SELECT/OK**」 to enter Ad-hoc mode.

6. Scroll up/down to [**SSID**], [**Encryption**], or [**Site Survey**], then press 「**SELECT/OK**」 button to input the SSID and encryption.
7. If you have a desired channel, scroll to [**Channel**] and press 「**SELECT/OK**」 to change. (from channel 1 to channel 11).
8.  icon will show on the topside of the screen when the wireless setting is successful.

#### **12.6.4 Setting the Wi-Fi Connectivity by Wi-Fi Wizard**




1. Insert a Wi-Fi USB adapter into the USB connector. (The Wi-Fi USB adapter is optional).
2. Press 「**Setting**」 button, then scroll up/down to [**Network**] and press 「**SELECT/OK**」 button.
3. Select [**Connect**] and switch [**LAN**] to [**WLAN**].
4. Select [**Wizard**] and then press 「**SELECT/OK**」 button.
5. Scroll up/down to an access point you want to connect, and then press 「**SELECT/OK**」 button.
6. If the access point that you are selecting is protected, press 「**SELECT/OK**」 button to select the protected AP.
7. To input the encryption key, press UP/DOWN (or numbered key) button to change characters and press LEFT/RIGHT button to shift.
8. Press 「**SELECT/OK**」 after you finish setting.
9.  icon will show on the topside of the screen if the wireless setting is successful.

Table 12.6.4

Network 	
Connect	LAN
IP Setting	>
Use Proxy	No

Select [Connect] and switch [LAN] to [WLAN].



Network 	
Connect(any~)	WLAN
Wizard	>
IP Setting	>

Select [Wizard] and press [SELECT/OK] button

Wizard	
ap01	61%
D-LINK	85%
default	21%

Enter [Wizard], then all available AP and its signal strength will be shown on the screen.

Wizard	
>	

Use UP/DOWN (or numbered key) to input an encryption key to access the AP if necessary.

After key-in the encryption key, press 「SELECT/OK」 and press 「STOP/ESC」 to exit

Wizard	

Proofing the encryption key...

Network	
Network	>
Language	>
Information	>

will show when the setting is successful.

### 12.6.5 Inputting Static IP

1. Press 「**Setting**」 button, then scroll up/down to [**Network**] and press 「**SELECT/OK**」 button.
2. Scroll up/down to [**IP Setting**] and then press 「**SELECT/OK**」 button to enter.
3. Select [**IP Source**] and press 「**SELECT/OK**」 button to switch [**Dynamic**] to [**Static**].
4. Scroll up/down to [**TCP/IP**] and press 「**SELECT/OK**」 button to start editing.
5. Press UP/DOWN to change characters and press LEFT/RIGHT button to shift.
6. After finishing, press 「**REC**」 button to confirm.

Table 12.6.5

Network	
Connect	LAN
IP Setting	>
Use Proxy	No

Select [IP Setting], then press 「SELECT./OK」

IP Setting	
IP Source	Dymanic

Press 「SELECT/OK」 to switch [IP Source] to [Static]

IP Setting	
IP Source	Static
TCP/IP	>
DNS	>

Select [TCP/IP], then press 「SELECT/OK」

TCP/IP	
IP	192.169.001.100
Mask	255.255.255.000
GW	192.169.001.254

Press UP/DOWN (or numbered key) then  
LEFT/RIGHT to input IP.

NOTE : When IP setting value (including IP, Subnet Mask, or Gateway) is illegal,  
IP setting will change to default value.

TCP/IP	
The IP Setting Value is illegal ! Setting is Changed to Default !	

### 12.6.6 Inputting DNS

1. Press 「**Setting**」 button, then scroll up/down to [**Network**] and press  
「**SELECT/OK**」 button.
2. Select [**DNS**] and then press 「**SELECT/OK**」 button.
3. Press UP/DOWN button to change characters, then press LEFT/RIGHT button  
to shift.
4. After finishing, press 「**SELECT/OK**」 button to confirm.

Table 12.6.6

IP Setting	
IP Source	Static
TCP/IP	>
DNS	>

Select [DNS] and press 「SELECT/OK」 button

→

DNS	
DNS1	168.095.001.001
DNS2	000.000.000.000

Press UP/DOWN (or numbered key) then  
LEFT/RIGHT to input IP



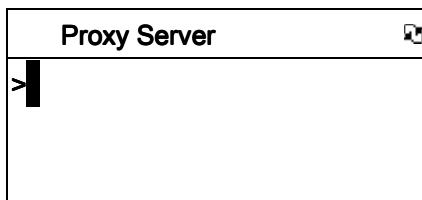
### **12.6.7 Inputting Proxy**

1. Press 「**Setting**」 button, then scroll up/down to [**Network**] and press 「**SELECT/OK**」 button.
2. Scroll up/down to [**Use Proxy**] and then press 「**SELECT/OK**」 button to switch to [**Yes**].
3. Scroll up/down to [**Proxy Server**] and then press 「**SELECT/OK**」 button to input domain name or IP address.
4. Press 「**SELECT/OK**」 button, then press UP/DOWN button to change characters, press LEFT/RIGHT button to shift.
5. After finishing, press 「**SELECT/OK**」 button to confirm.
6. Scroll up/down to [**Proxy Port**] and then press 「**SELECT/OK**」 button to input port number.
7. Repeat the step 4~5.

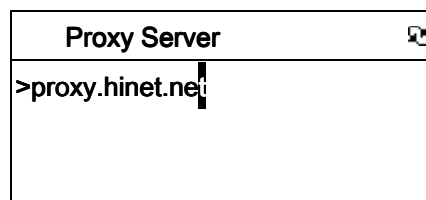
Table : Input Method

Key	Description
<b>OK / Select</b>	End editing
<b>STOP/ESC</b>	Delete a character
<b>Up</b>	Change character 0-9, a-z ,A-Z, symbol
<b>DOWN</b>	Change character 0-9, a-z ,A-Z, symbol
<b>LEFT</b>	Shift to left
<b>RIGHT</b>	Shift to right
<b>1</b>	1./_!@# \$ % ^ & * : ; ' " / \ ( ) [ ] { } space
<b>2</b>	2 abc ABC
<b>3</b>	3 def DEF
<b>4</b>	4 ehi EHI
<b>5</b>	5 jkl JKL
<b>6</b>	6 mno MNO
<b>7</b>	7 pqrs PQRS
<b>8</b>	8 tuv TUV
<b>9</b>	9 wxyz WXYZ
<b>0</b>	0

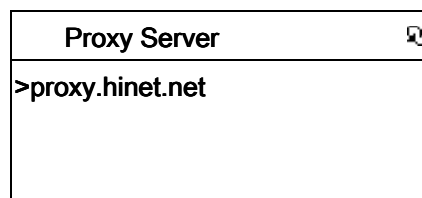
Table 12.6.7.1



Ready to Editing



Press UP/DOWN (or numbered key) then  
LEFT/RIGHT to input characters.



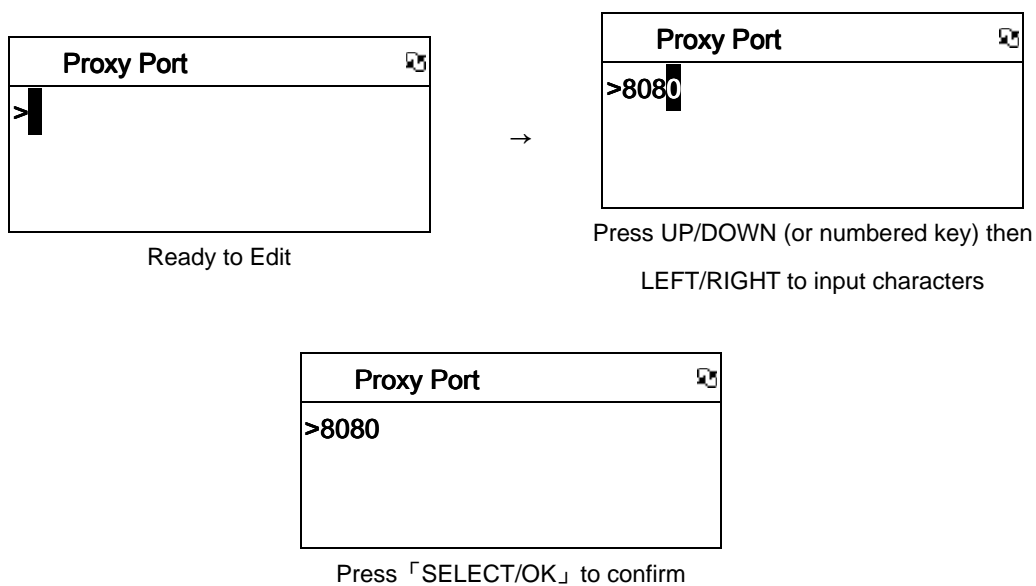
Press 「SELECT/OK」 to confirm

Select [**Proxy Port**] to input a proxy server port

Table : Input Method

Key	Description
<b>OK / Select</b>	End editing
<b>STOP/ESC</b>	Delete a character
<b>Up</b>	Change character 0-9
<b>DOWN</b>	Change character 0-9
<b>LEFT</b>	Shift to left
<b>RIGHT</b>	Shift to right
<b>1</b>	1
<b>2</b>	2
<b>3</b>	3
<b>4</b>	4
<b>5</b>	5
<b>6</b>	6
<b>7</b>	7
<b>8</b>	8
<b>9</b>	9
<b>0</b>	0

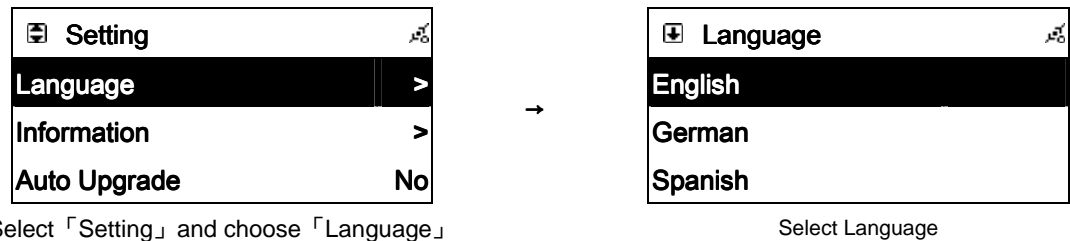
Table 12.6.7.2



12.7 Language

- Support 11 languages –Danish, Dutch, English, Finnish, French, German, Italian, Japanese, Norwegian, Portuguese, Spanish, Swedish, Traditional Chinese and Simplified Chinese. The default language of the system is English.

Table 12.7

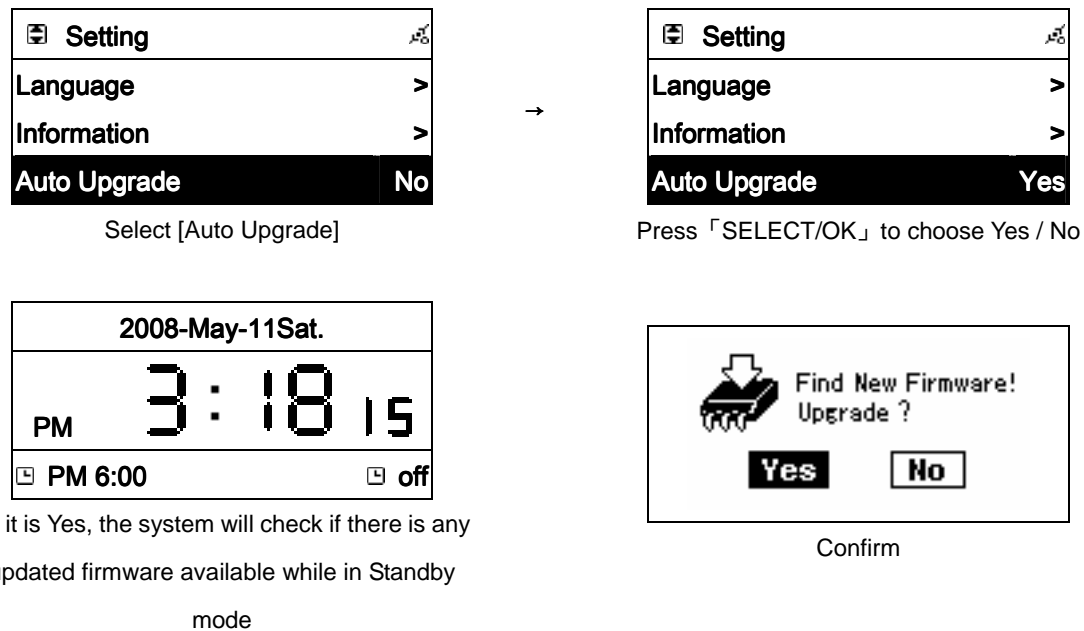


12.8 Information

- Display the firmware version and network information.

12.9 Auto Upgrade

- The system will check automatically if there is any updated firmware available.
- The default is No.



## 12.10 Reset All Settings

- Reset all settings to factory default.



### Warning :

All settings will be reset to factory default.

## 12.11 Firmware Upgrade

- Support upgrade by using USB or SD/MMC
- Support online upgrade

### 12.11.1 Upgrade firmware by using USB / SD/MMC

1. Get an accurate firmware version (please check your model number) from manufactures. The firmware version file appears as .UPG file.
2. Copy the file [**image.upg**] to the root directory on a USB disk or SD/MMC card.
3. Insert the USB disk or SD/MMC card into the USB connector or SD/MMC slot.
4. Press 「**Setting**」 button, then scroll up/down to [**Upgrade**] and press  
「**SELECT/OK**」 button.
5. Scroll up/down to [**Yes**] and then press 「**SELECT/OK**」 button to upgrade.
6. Smart Boombox will restart automatically after finishing upgrade.
7. SBMM must not be switched off or press any function key during the upgrade procedure.

NOTE: It strongly recommends resetting all setting after the system is upgraded.

Table 12.11.1

Setting	
Information	>
Reset all	>
Upgrade	>

Select [Upgrade], then press 「SELECT/OK」



Upgrade	
Image Source	USB
Upgrade	>

Select [Upgrade], then press 「SELECT/OK」



Upgrade
Do You Really Want Upgrade?
<input type="button" value="Yes"/> <input type="button" value="No"/>

Confirm

Upgrade
I-RADIO-070639.UPG

Select the firmware and Press 「SELECT/OK」

Upgrade Process
>>> Processing <<<
Please DO NOT Cut off the Power

Upgrading the firmware

→

Processing ...
----------------

Processing...

i.Radio	
i.Radio	>
USB	>
SD/MMC	>

The upgrade is complete.

### 12.11.2 On-line upgrade

1. Make sure the internet environment is ready
2. Press 「**Setting**」 button, then scroll up/down to [**Upgrade**] and press 「**SELECT/OK**」 button.
3. Smart Boombox will restart automatically after finishing upgrade.
4. SBMM must not be switched off or press any function key during the upgrade procedure.

NOTE: It strongly recommends resetting all setting after SMBB is upgraded.

Table 12.11.2

Setting	
Information	>
Reset all	>
Upgrade	>

Select [Upgrade], then press 「SELECT/OK」

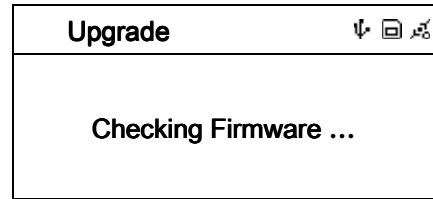
→

Upgrade	
Image Source	USB
Upgrade	>

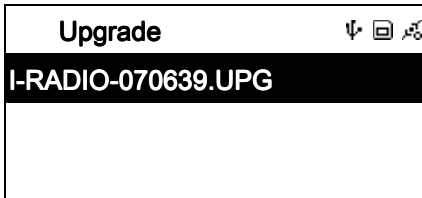
Select [Upgrade], then press 「SELECT/OK」



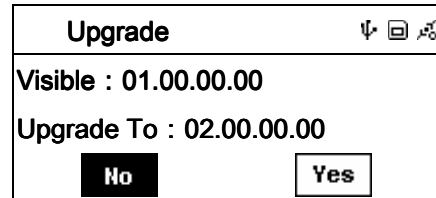
Confirm



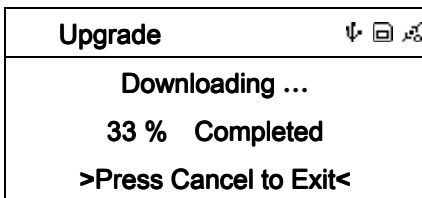
Checking if there is any update firmware



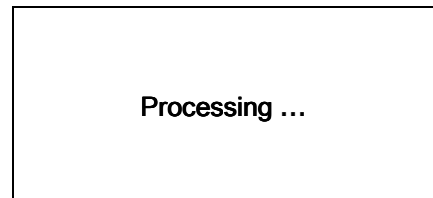
Select the firmware and Press 「SELECT/OK」



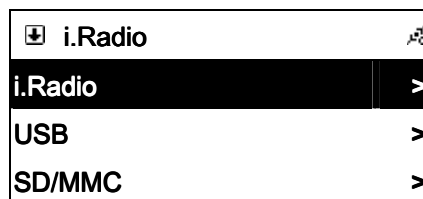
Select [Yes] to confirm



Downloading...press 「ESC/STOP」 to cancel  
download



Processing...



The upgrade is complete.